Midas
Equities and Research

Emmvee Photovoltaic Power Ltd.

Structural Sunshine: Emmvee's Backward-Integration Advantage

16 Sep 2026

RESEARCH ANALYST
Prasad U. Hase
Prasad.hase@sparkcapital.in

Spark Initiating Coverage Reports – Rebooted!

Outlining the framework from our desk

In our new, rejuvenated approach to publishing fundamental research ideas, we aim to balance a traditional, time-tested framework with a contemporary and hopefully refreshing segue into stock-picking. Accordingly, our Initiating Coverage reports will be presented in five sections: **(1) Annual Report Deep-dive, (2) Business Assessment Scores, (3) Valuation Framework, (4) Stock Buzz & Influencing Factors, and (5) Technical Analysis.**

This report is underpinned by three key beliefs: (1) technical analysis, when combined with fundamentals, leads to better stock calls; (2) business assessment should be separated from valuation frameworks so that equity research can objectively calibrate the mix when making stock calls; and (3) reactions to "buzz" and other factors that influence price action must be identified and given due consideration when timing stock calls, particularly in the current environment of incessant information flow.

Annual Report Deep-dive

Drawing on the time-tested but sadly, rarely applied practice of drilling into historical annual reports, we dedicate the opening section to the **Analytical Perspective gleaned** from this exercise. A helpful forensic overlay provides a clearer view of the company's **historical operating performance, balance sheet behaviour, cash flow quality & governance structure**. By anchoring the analysis in reported numbers and disclosures, this section helps assess earnings quality and risk before progressing to any forward-looking calls with conviction.

Business Assessment Scores

To address the question of whether a company's business can emerge as a long-term winner, we draw on Porter's Five Forces framework to examine key aspects such as revenue models, pricing risks, market positioning, and competitive moats. Our financial analysis and estimates are anchored in our assessment of both the company's current performance and its long-term potential. To ensure that this assessment remains objective and not influenced by subjective judgment, we employ a scoring model that captures the key drivers of business quality across five composite vectors. The resulting scores form the basis of our call on the business.

Valuation Framework

We have often observed how markets can make target multiples appear like the proverbial rabbits out of a hat. To avoid the temptation of retrospectively justifying valuations alongside the broader market, we returned to first principles while designing our Valuation Framework. Anchored in market, and historical absolute benchmarks, our valuation scores incorporate Economic Value Added, return profiles, growth prospects, and leadership positions, mapped against relevant valuation multiples. Ultimately, the central question remains: given everything we know about the business, markets, and peers, does the current pricing appear attractive? This question forms the bedrock of stock-picking in equity research.

Stock Buzz & Influencing Factors

The **Buzz Chart** & Liquidity Chart track stock-specific news flow, events, and market activity to help identify **periods of elevated attention or sentiment shifts**, complementing fundamental and valuation analysis.

Technical Analysis

The report also includes a **Technical Analysis** section to capture prevailing price trends, momentum, and key support–resistance levels, offering additional insight into **market timing and near-term market behavior.**

Source: Company, Midas Research

Report In Gist (1/3)

Last Day Close	1Y TP	Upside	Rating
Rs. 329	Rs. 444	35%	BUY

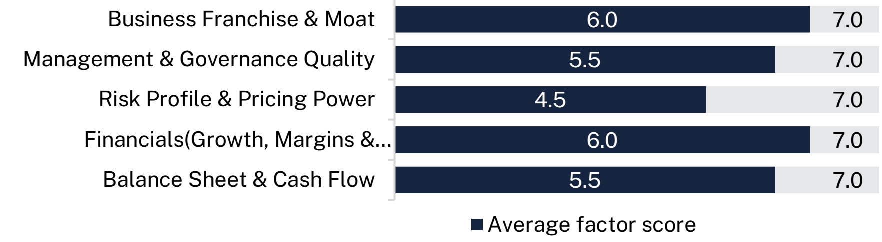
About the company

- Emmvee Photovoltaic Power Ltd. is one of India's leading integrated solar PV module and cell manufacturers, and among the first few domestic companies to adopt high-efficiency TOPCon technology for cell manufacturing. From 15 MW of module capacity in 2007, it has scaled to 10.3 GW of module and 2.9 GW of cell capacity, with its entire manufacturing base transitioned to TOPCon, making it one of the few domestic players to do so. As an established ALMM-listed manufacturer, Emmvee serves government and government-assisted grid-connected projects alongside renowned PSU and private utility-scale developers and marquee C&I players.
- Incorporated in March 2007 in Bengaluru by industry veteran Mr. D.V. Manjunatha as a module manufacturer, the company has since evolved into a fully integrated module-cell manufacturer, now led by CEO Mr. Suhas Donthi Manjunatha. Its technological capabilities are reinforced by a 2022 R&D partnership with Germany's Fraunhofer ISE and its status as the only Indian company to pass all seven tests of the 2024 Kiwa PVEL Reliability Scorecard. This technology-led positioning underpins its marquee B2B customer base, comprising leading IPPs and developers, including NTPC Renewable Energy, Ayana Renewable, Aditya Birla Renewables, KPI Green Energy, Clean-Max and Sembcorp Green Infra, etc.

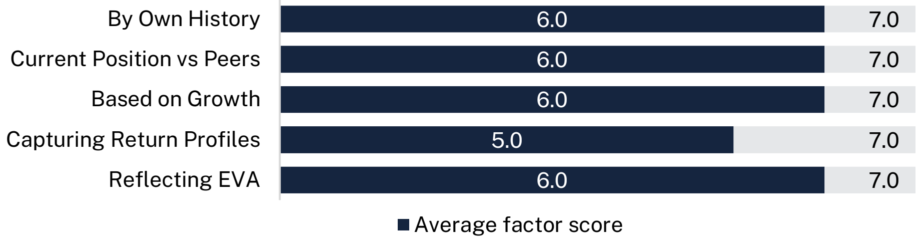
Annual Report Deep-dive

- The Red Herring Prospectus (RHP) deep dive examines the key accounting and financial nuances underpinning Emmvee's earnings quality and financial trajectory, covering customer advances, government grants and their capitalisation, working capital and GST input-credit movements, and related-party transactions. Together, these provide context for interpreting the company's reported financials through its capital-intensive growth phase.

Business Assessment Scores



Valuation Framework



Financials and Estimates Summary

Particulars (Rs. cr)	Revenue	EBITDA	EBITDA %	PAT	EPS	RoE %	RoCE %	P/E	EV/EBITDA
FY24	952	120	13%	29	0.5	19%	7%	-	-
FY25	2,336	722	31%	369	6	105%	27%	53	34
FY26	5,050	1,734	34%	1,082	17	51%	43%	19	13
FY27E	7,760	2,326	30%	1,403	20	32%	29%	16	11
FY28E	13,037	4,044	31%	2,477	36	40%	34%	9	6

16 Sep 2026

Industry	Electrical Equipment

Key Stock Data

Bloomberg	EMMVEE IN
Shares o/s (cr)	69.2
Market Cap (Rs. cr)	22,746
52-wk High/Low	372/172
20D ADV ('000)	1,943
Index	Nifty 500
F&O	N

Latest Shareholding (%)

	Jun 26	Mar 26	Dec 25
Promoters	80.0	80.0	80.0
Institutions	12.7	14.8	16.6
Public	7.2	5.2	3.4
Pledge	0.0	0.0	0.0

Stock Performance (%)

	1M	6M	1Yr
EMMVEE IN	2.2	64.1	-
Nifty 500	(4.7)	5.1	(3.2)

RESEARCH ANALYST

Prasad U. Hase

Prasad.hase@sparkcapital.in

Source: Company, Bloomberg, Midas Research

Report In Gist (2/3)

Stock Buzz & Influencing Factors

- Several industry-level factors could weigh on the stock's performance: sustained enforcement of domestic-content rules (ALMM List-II for cells from June 2026 and List-III for wafers from 2028) and the durability of the DCR premium are positives, while potential sector oversupply by 2027, deadline relaxations, global price deflation, and forex and imported-wafer supply-chain volatility could pressure realisations and sentiment.
- With promoter holding still above the 75% regulatory ceiling, the mandated reduction to minimum shareholding level will require a stake sale. Amid a heavy capex cycle, any QIP or equity-dilution announcement could trigger meaningful stock volatility.

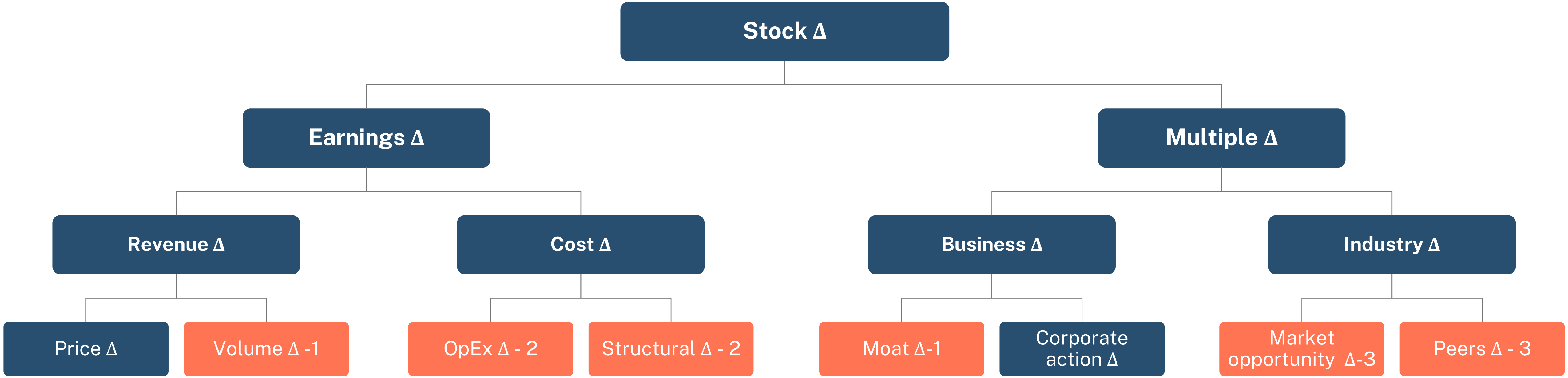
Technical Analysis

- Emmvee Photovoltaic Power is currently **consolidating sideways** following a strong rally, while maintaining a **higher-highs and higher-lows** structure on the weekly chart.
- Supported by key moving averages and trendline support, the setup favors a **buy-on-dips strategy.**

Investment Rationale

- **A moat built on owning the scarce, policy-protected step of the value chain:** Emmvee already owns the step that matters most, domestic TopCon cell manufacturing, the exact link that ALMM policy is making both mandatory and scarce. This step is hard to replicate as a cell line costs about 4x an equivalent module line and demands far more capital and technical know-how. So as the mandate marches upstream (module → cell → ingot/wafer), it moves straight into the capabilities Emmvee already has, underpinned by its TopCon technology leadership, a 2022 Fraunhofer ISE partnership and being the sole maker to clear all seven 2024 PVEL tests.
- **Growth is contracted, not speculative — and returns are earned in the P&L:** A disciplined "build-then-book" policy and a marquee, well-financed customer base of IPPs and C&I developers, willing to pre-fund landmark orders, make the order book confirmed, not speculative. With ~70% OB executable over 12–18 months, capacity is the binding constraint, so the 6 GW expansion (to ~16.3 GW modules / ~8.9 GW cells) converts the book into contracted revenue to drive 61%/51% revenue and PAT CAGR over FY26–28E (vs ~44%/16% for peers), with a sector-leading ~40% FY28E RoE that is net-margin-led (~19% FY28E, above peer avg. of ~10%; turnover and gearing in line), earned in the P&L, not leverage.
- **Margins are engineered, not borrowed – sustains through the cycle:** Backward integration into cells captures the chain's highest-value step in-house, a captive DCR cell earns ~Rs.6–6.5/W of EBITDA versus ~Rs.2–2.5/W for bought-in conversion (Non-DCR module), and lets Emmvee channel those cells into higher-realisation DCR modules. This works through two reinforcing levers: a rising DCR mix defends realisation per watt in a falling-ASP market, while operating leverage from the filling 6 GW base spreads fixed costs across far more output. Together they ensure EBITDA margin moderates far less than gross, holding near ~31% (FY28E) versus a ~21% peer average — so the EBITDA margin leadership reflects structural, not just price driven.
- **A deleveraged balance sheet, re-armed for the next cycle :** IPO proceeds repaid ~Rs.1,621 cr against peak borrowings of ~Rs. 2,065 cr, cutting net debt/equity from 5.5x (FY24) and 3.2x (FY25) to near zero (FY26), turning a debt-funded build into a largely net-debt-free franchise. The 6 GW capacity expansion with planned ~Rs.5,500 cr capex will temporarily re-lever the balance sheet in FY27 before strong cash generation deleverages it again by FY28E, leaving headroom to fund the next (ingot/wafer) leg that the ALMM runway rewards.
- **Priced like a module maker, valued as an integrator — an attractive entry :** At ~6x FY28E EV/EBITDA (~9x earnings and a ~0.2 PEG) below peer set average of ~7x EV/EBITDA despite ~51% earnings growth and superior returns, the market values an integrated, policy-aligned franchise as a conventional assembler. We assign an 8x FY28E EV/EBITDA multiple (inline with its 1-year average) for a target price of Rs.444, ~35% upside, supported by a moat that widens as ALMM moves upstream, contracted growth, P&L-led returns and a deleveraged balance sheet.

Report in Gist-Decision Tree (3/3)



1 Reasoning 1

- A marquee, well-financed IPP/C&I base, willing to pre-fund landmark orders, makes the ~9.9 GW order book confirmed, not speculative.
- Emmvee typically targets executing ~70% of order book in 12–18 months, making capacity, not demand, the binding constraint.
- The 6 GW expansion (to ~16.3 GW modules / ~8.9 GW cells) converts the book into ~58% volume growth, driving ~61% revenue CAGR over FY26–28E.

2 Reasoning 2

- Captive cells earn ~Rs.6–6.5/W of EBITDA vs ~Rs.2–2.5/W bought-in (Non-DCR modules), and a rising DCR mix defends realisation as ASPs fall.
- Operating leverage from the filling 6 GW base spreads fixed costs wider, while ~50% lower silver-paste use and rising cell efficiency cut variable cost per watt.
- So EBITDA moderates far less than gross, holding ~31% (FY28E) (vs ~21% peer avg.) underpinning ~53% EBITDA CAGR, with ~40% FY28E RoE earned in the P&L, not leverage.

3 Reasoning 3

- ALMM localisation moves upstream (modules → cells → ingots/wafers by 2028), ring-fencing demand toward integrated domestic makers, so the moat widens with policy.
- Emmvee posts superior growth and returns versus the peer set, yet trades at ~6x FY28E EV/EBITDA against the ~7x peer average, a discount the franchise doesn't warrant.
- Priced like a module maker despite an integrator's economics, it offers an attractive entry; We value Emmvee at 8x FY28E EV/EBITDA for a target price of TP Rs.444, ~35% upside.

Source: Company, Midas Research

INDEX

Initiating Coverage Reports – Rebooted

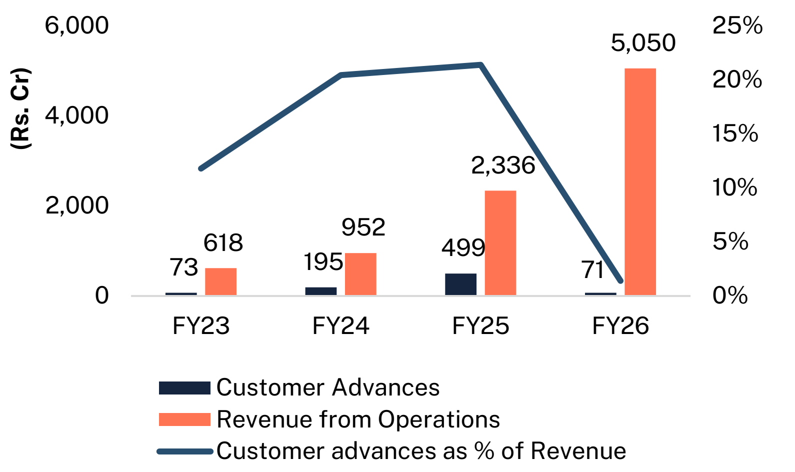
Report In Gist

Midas

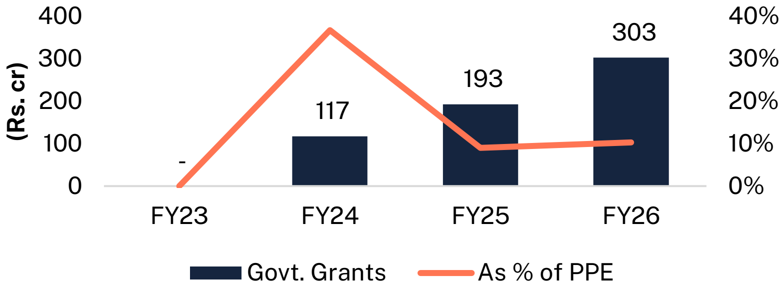
Equities and Research

1 – Annual Report Deep-dive (1/2)

Customer advances signal order quality & strength

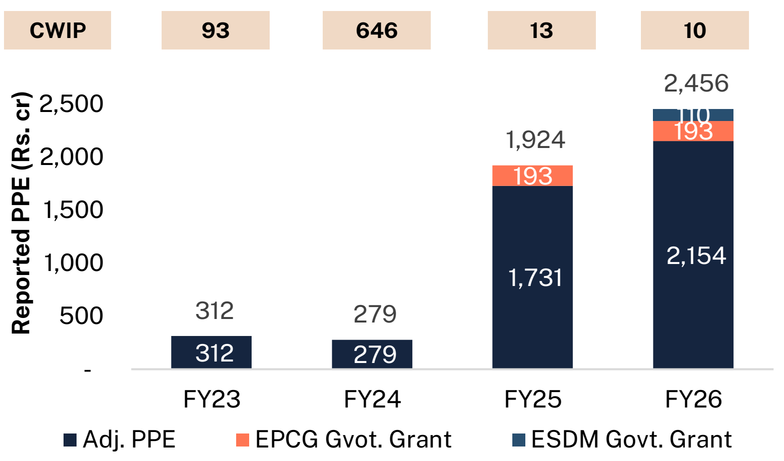


Grant support builds sharply since FY23



Particulars (Rs. cr)	FY23	FY24	FY25	FY26
Total Govt. Grants	0	117	193	303
Due to EPCG (import duty saving)	0	117	193	193
Due to ESDM (Karnataka capital subsidy)	0	0	0	110
Release to P&L	0	0	0	15

Grants track machinery from build to operations



Customer advances

- Customer advances rose from Rs.73 cr (FY23) to a peak of Rs.499 cr (FY25, ~21% of revenue) before normalising sharply to Rs.71 cr (FY26, ~1.4% of revenue).
- The FY25 peak reflected a single large advance (~Rs.226 cr from NTPC Renewable Energy) against an awarded project; as that order executed in FY26, the advance unwound.
- Advances are therefore order-linked and lumpy, not a steady annuity, but the willingness of marquee customers to pre-fund at landmark scale.
- It signals order quality, bargaining power and confidence, and provides interest-free financing for the inventory and capacity build ahead of delivery.

Govt. grants

- Government grants on Emmvee's books rose to Rs. 303 cr by FY26 from nearly zero in FY23, driven by two schemes: EPCG and ESDM.
- Rs.193 cr is the EPCG grant (duty-free capital-goods imports against an export obligation), stable versus FY25 with no fresh benefit availed in FY26.
- The balance Rs.110 cr is the ESDM deferred grant, Karnataka's state capital subsidy, newly recognised in FY26. Rs.15 cr was released to the P&L during FY26 as the underlying assets operated.

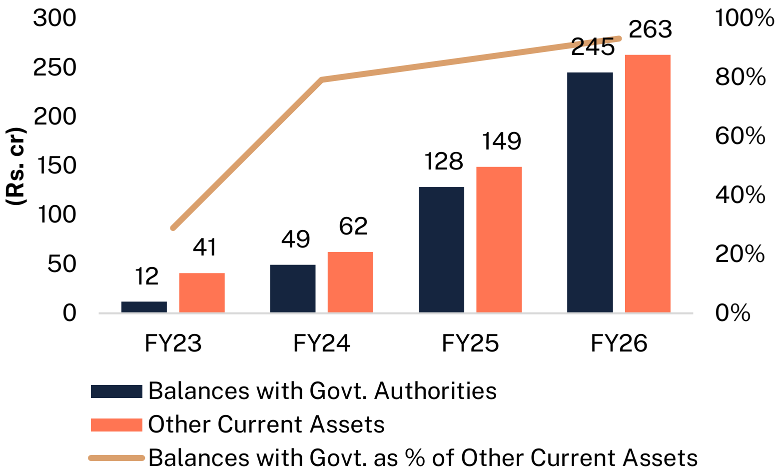
Govt. grant capitalization

- The EPCG grant was first recognised under CWIP (Rs.117 cr, in FY24). In FY25, it rose to Rs.193 cr and was simultaneously transferred to PPE as assets commissioned, remaining stable in FY26.
- The ESDM grant (Rs.110 cr) was added in FY26. The deferred-grant liability releases to the P&L over asset life (Rs.15 cr in FY26), so the benefit tracks the machinery from construction to operations.

Source: Company, Midas Research

1 – Annual Report Deep-dive (2/2)

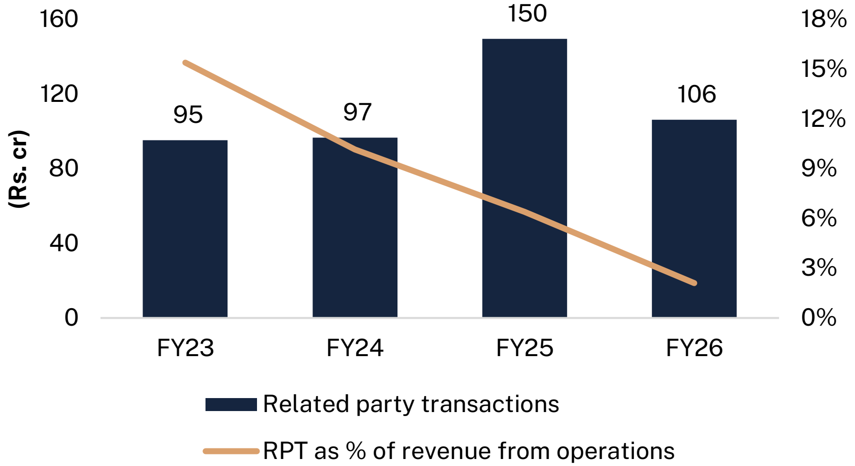
Unutilised GST credit balances balloon sharply



Balances with govt. authorities

- Balances with government authorities, largely unutilised GST input tax credit, rose from ~Rs.12 cr (FY23) to Rs.128 cr (FY25) and Rs.245 cr (FY26), a ~21x increase versus ~8x revenue growth, and now form ~93% of other current assets.
- This build-up is worth monitoring for the pace of ITC utilisation as output scales through the ramp.

Related-party dealings limited, disciplined and declining



Transaction	Direction	FY25 (Rs. cr)
Loans Advanced	Emmvee => ESSPL	14.453
Loan repayment received	ESSPL => Emmvee	14.453
Borrowings Received	ESSPL => Emmvee	21.500
Borrowings Repaid	Emmvee => ESSPL	43.048

Related-party transaction

- **Bi-directional financing**: In FY25, listed entity Emmvee Photovoltaic Power extended a Rs. 14.45 cr loan to promoter-controlled Emmvee Solar Systems Pvt. Ltd. (ESSPL) and received an identical amount as repayment within the year. Separately, Emmvee drew Rs. 21.5 cr during FY25, taking total borrowings from ESSPL to Rs. 43.05 cr which got repaid in FY25 itself.
- **Lease deposit to a promoter-director:** Emmvee carries a Rs. 10 cr lease/security deposit paid to promoter and Non-Executive Director Mrs. Shubha Manjunatha Donthi, unchanged from FY23 consistent with a fixed deposit against leased premises rather than a recurring flow.
- **Management remuneration:** Total FY26 remuneration of Rs. 17.2 cr (MD: Rs. 10 cr; WTD/CEO: Rs. 7.2 cr;) was ~1.6% on FY26 PAT of Rs. 1,082 cr, well within the 10% regulatory ceiling.

Source: Company, Midas Research

2 -Business Assessment Scores

Business Assessment Scores – Summary

Business Franchise and Moat: 2.1

- Early backward integration into domestic TopCon cells, the scarce, policy-protected step, converts into sector-topping realisation (~Rs.19.1/W) on the TopCon edge plus a rising DCR premium.
- Best-in-class economics that hold down the P&L: ~34% EBITDA, ~51% RoE, margin-led, not leverage-led.
- Durable, bankable demand: A-list IPP/C&I ~76% of a ~9.9 GW book, 57% repeat rate, customer pre-funding.
- **Accordingly, we assign a rating of 6.0 out of 7.0.**

Management and Governance Quality: 2.2

- Seasoned, promoter-anchored team: Chairman & MD with 30+ years in solar; bench spanning ~6–45+ years, incl. a CFO with 31 years at Aditya Birla.
- Sound governance: 50% independent board, two women directors, key committees led by independents.
- Strong continuity: promoters at the helm since incorporation (2007).
- Related-party transactions declined from 15% of revenue (FY23) to 2% (FY26)
- **Accordingly, we assign a rating of 5.5 out of 7.0.**

Risk Profile and Pricing Power: 2.3

- High rivalry amid rapid industry capacity expansion.
- Elevated supplier power from wafer/polysilicon import dependence.
- New entrants/substitutes moderated by capital & technology barriers and import protection (BCD, ALMM, DCR).
- Partial insulation from backward integration, Fraunhofer-backed TopCon leadership and integrated-player scale.
- **Accordingly, we assign a rating of 4.5 out of 7.0.**

Financials (Growth, Margins & Returns): 2.4

- Demand visibility: confirmed, DCR-rich order book scaling toward ~13 GW by FY28E — capacity, not demand, the binding constraint.
- Capacity-led volume: 6 GW expansion (to ~16.3 GW modules / ~8.9 GW cells; integration toward ~55%) drives ~58% volume growth. Revenue: realisation held firm by a richer DCR mix drives ~61% revenue CAGR over FY26-28E.
- Margins: deeper integration, rising DCR mix and operating leverage leads to EBITDA moderates far less than gross, compounding at ~53% CAGR over FY26-28E.
- **Accordingly, we assign a rating of 6.0 out of 7.0.**

Balance Sheet and Cash Flow: 2.5

- De-levered from peak net D/E ~5.5x (FY24) to net cash (FY26) after the Nov-2025 IPO (~Rs.1,621 cr debt repaid).
- ~Rs.5,500 cr 6 GW capex front-loaded into FY27E leads to net D/E re-lever to ~0.7x, then deleverages to ~0.3x by FY28E.
- Working-capital cycle eases from a ~113-day FY26 peak toward ~100 days as capacity commissions.
- Headroom restored to fund the next ingot–wafer capex leg from ~FY29E.
- **Accordingly, we assign a rating of 5.5 out of 7.0.**

Emmvee Photovoltaic Power Ltd. – Company Factsheet

Corporate Snapshot

<table>
<tr><th>Field</th><th>Details</th></tr>
<tr><td>Company background</td><td>▪ Emmvee Photovoltaic Power Ltd., incorporated in March 2007 and part of the Bengaluru-based Emmvee Group founded by Mr. D.V. Manjunatha and now led by CEO Suhas Donthi Manjunatha, is one of India's leading integrated solar PV module manufacturers. It operates a fully integrated model spanning bifacial and monofacial TOPCon modules and cells, serving marquee customers including NTPC Renewable Energy, Ayana Renewable, Aditya Birla Renewables, KPI Green Energy, CleanMax and Sembcorp Green Infra. Beyond its core manufacturing, the company offers allied services such as EPC contracts, solar PV water-pumping systems, and also sells power generated from its own IPP plant.
▪ As of FY26, Emmvee scaled to 10.3 GW of module & 2.9 GW of TOPCon cell capacity, producing 2,999 MW of modules and 1,520 MW of cells in FY26. It has completed a 100% transition to TOPCon and reinforced its technology edge through a 2022 R&D tie-up with Germany's Fraunhofer ISE and is the only Indian company to pass all seven tests of the 2024 Kiwa PVEL Reliability Scorecard.</td></tr>
<tr><td>Revenue mix (FY26)</td><td>▪ Photovoltaic Modules (PV): Rs.5,723 cr (98%).
▪ EPC Projects: Rs.85 cr (1%).
▪ Others*: Rs.39 cr (1%).</td></tr>
<tr><td>Demand drivers</td><td>▪ ALMM mandate ring-fences demand for domestic integrated manufacturers: ALMM-I (modules) and ALMM-II (cells) reserve nearly the entire solar demand for domestic manufacturers and mandate the use of domestic cells. With listed cell capacity well short of the ~50–60 GW required, integrated players like Emmvee are effectively pre-sold and can also capture merchant cell orders.
▪ The efficiency race toward TOPCon: a technology-led demand pull: As tenders and policy shift toward high-efficiency modules (SECI/NTPC now specify 21.6%+ bifacial TOPCon) and rising ALMM thresholds threaten to delist sub-par capacity, Emmvee's 100% TOPCon base and PVEL/Fraunhofer credentials position it to capture demand as legacy Mono-PERC is regulated out.
▪ Broad-based solar build-out across segments: India's solar additions are set to broaden toward ~50 GW a year, spanning utility/IPP, C&I open-access, and rooftop/KUSUM, giving Emmvee a large, diversified and durable ~9.9 GW order pipeline.</td></tr>
<tr><td>Business model</td><td>▪ Emmvee runs a vertically integrated model: Designs and manufactures both solar cells and modules in-house using advanced TOPCon technology. It supplies predominantly domestic B2B customers, leading IPPs, C&I players and EPC firms across public and private sectors. This is complemented by an EPC segment that executes solar engineering, procurement and construction projects, and an "Others" segment comprising solar water-pumping systems and the sale of power from its own plant.</td></tr>
<tr><td>Plants</td><td>
<table>
<tr><th>Unit</th><th>Commissioned</th><th>Area</th><th>Capacity (GW) Module | Cell</th><th>Technology</th></tr>
<tr><td>Unit 2</td><td>2023</td><td>1,18,700</td><td>0.87</td><td>TOPCon</td></tr>
<tr><td>Unit 3
Unit 4</td><td>2024
2025</td><td>4,35,604</td><td>2.21 | 2.94
2.21</td><td>TOPCon</td></tr>
<tr><td>Unit 5
Unit 6</td><td>2025
2025</td><td>4,23,313</td><td>2.50
2.50</td><td>TOPCon</td></tr>
<tr><td>Unit 7</td><td>2026-27</td><td>25,00,000</td><td>6.00 | 6.00</td><td>TOPCon</td></tr>
</table>
</td></tr>
<tr><td>Auditors</td><td>▪ M S K C & Associates LLP</td></tr>
<tr><td>Credit rating</td><td>▪ [ICRA] A (Stable) / [ICRA] A2+
▪ Long-term rating upgraded to A (Stable) in Jan 2026 post-IPO deleveraging</td></tr>
<tr><td>Employee count</td><td>▪ Total employee strength at 3,800+ as of FY26, including 587 engineers.</td></tr>
</table>

Category (Jun '26)	% Share
Promoter Group	80.0
FII	2.9
DII	9.8
Others (Public)	7.2
Total	**100.0**

Key Metrics (Rs. cr)	FY23	FY24	FY25	FY26
Revenue	618	952	2336	5,050
Gross Profit	116	197	933	2,274
Gross Margin	19%	21%	40%	45%
EBITDA	56	120	722	1734
EBITDA Margin	9%	13%	31%	34%
PBT	12	48	483	1,338
PAT	9	29	369	1,082
Net Worth	140	169	537	3,695
Net Debt	463	926	1,741	6
NWC – Ex Cash	312	223	1,070	2,540
Total Assets	841	2,,190	3,914	5,772
RoE		19%	105%	51%
RoCE		7%	27%	43%

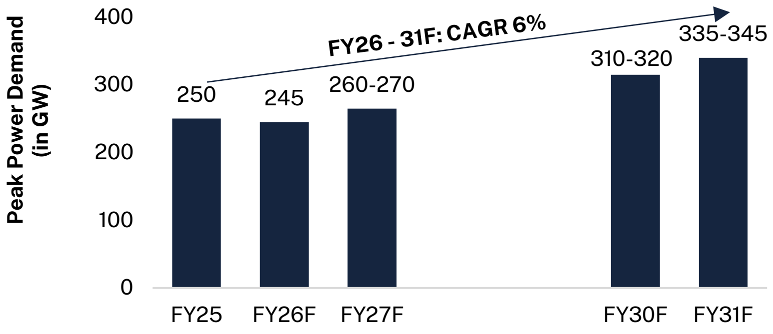
Source: Company, Midas Research
**Segment comprises Solar PV water-pumping systems, and Power sold from Independent Power Plant*

Solar Industry - Overview (1/3)

Emergence of Govt.'s three-pronged policy framework: To abate supply chain constraints

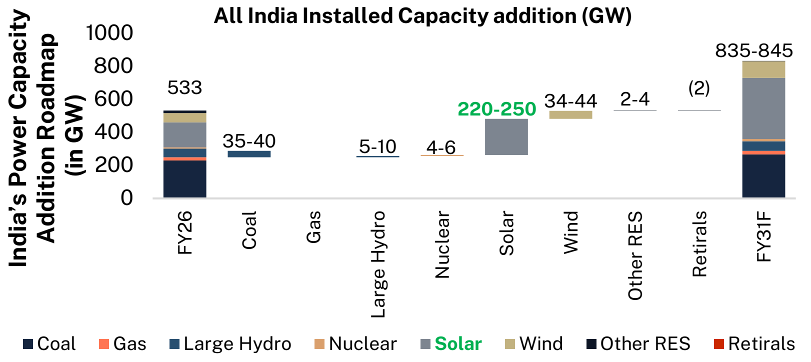
The opportunity:

India's peak power demand will grow ~6% CAGR to reach ~340 GW by FY31F.
It will drive installed power capacity to ~835-845 GW (FY31) from ~533 GW (FY26).



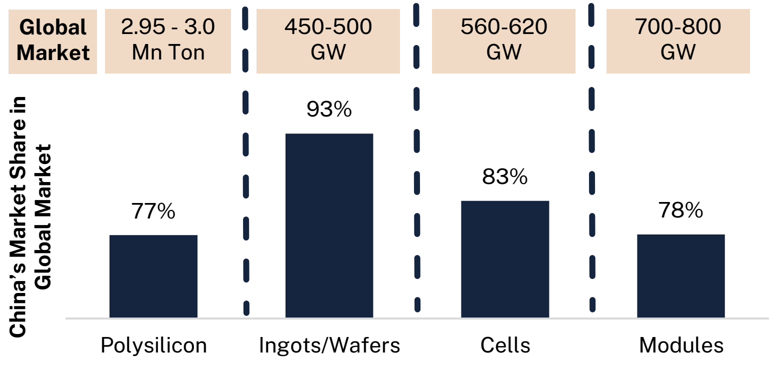
The driver:

Solar will be the single largest driver of this build-out
Adding ~220-250 GW to lift its share of the generation mix to ~50% from 28%



The constraint:

China dominates the global solar value chain with 75%+ share in each segment
This concentration exposes to price shocks, supply/geopolitical disruption, etc.



This is precisely why building domestic capacity has become an energy-security imperative. The government's deliberate, stage-by-stage effort to build resilience has led to a three-pronged policy framework.

Demand Lever : ALMM
Non-tariff lever

MNRE's ALMM regime marches localisation upstream in three stages, modules must be BIS-approved and listed (ALMM-I), the cells within them must be domestically made (ALMM-II/ALCM), and from June 2028 those cells must use cells produced from domestically made ingots and wafers (ALMM-III/ALWM)

Price Lever : Import duties
Trade and tariff barriers

India's import shield has steadily evolved — from a 25% safeguard duty (2018), to a 40%/25% Basic Customs Duty on modules/cells (2022), and a February 2025 recast that cut BCD to 20% on both while layering on an AIDC of 20% on modules and 7.5% on cells.

Supply Lever : Solar PLI
Fiscal and structural incentives

Delivered in two tranches, India's Solar PLI scheme committed Rs.4,500 cr via IREDA for ~8.7 GW of fully integrated capacity (Tranche-I, 2021) and a far larger Rs.19,500 cr via SECI for 39.6 GW across fully and partially integrated facilities (Tranche-II, awarded April 2023)

Source: Industry, Company, Midas Research.

Solar Industry - Overview (2/3)

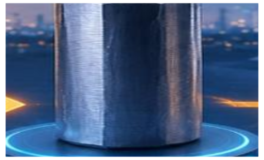
ALMM – The demand lever driving India's import-to-self-reliance shift

From polysilicon to modules: The solar value chain

Polysilicon

A high-purity, crystalline form of silicon that serves as the primary raw material for the solar photovoltaic and electronics industries. It is produced by refining metallurgical-grade silicon into ultra-pure polysilicon (typically 99.9999%+ purity).

Ingots



Polysilicon is melted and grown into high-purity monocrystalline silicon ingots, most commonly via the Czochralski process. This stage is highly energy-intensive and has significant environmental considerations.

Wafer

The ingots are sliced into thin, single-crystal silicon wafers that form the foundation of individual solar cells. Precise cutting and minimal material (kerf) loss are critical to yield and cost.

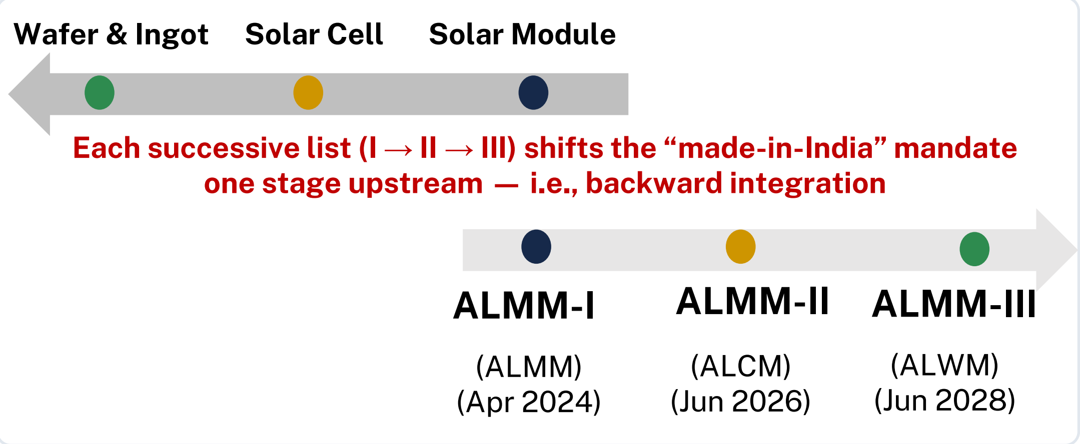
Cell

The most complex and value-added stage in the chain, where wafers are converted into electricity-generating cells through a sequence of steps — texturing, diffusion, laser processing, annealing, edge isolation, etching, passivation, anti-reflective coating and metallization.

Module

Cells are interconnected in series and parallel, encapsulated between protective layers of glass and encapsulant, and framed for durability and field installation. Automation plays a significant role in ensuring quality and scalability.

Forward through ALMM, backward through the value chain



Approved List of Models and Manufacturers (ALMM): MNRE's ALMM makes non-approved equipment outright ineligible for covered projects, which span government schemes, utility, open-access and net-metering installations, or nearly all of India's annual solar additions. By reserving almost the entire addressable market for approved domestic manufacturers, ALMM converts policy into a demand moat that structurally favours listed domestic players like Emmvee.

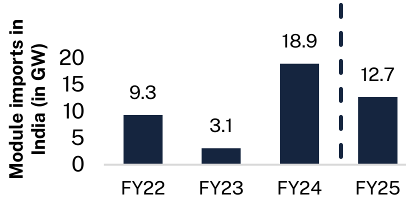
ALMM pushes localization progressively upstream – Modules to Cells to Wafer & Ingots – Multi-year demand runway for domestic manufacturers

ALMM – I (Module):

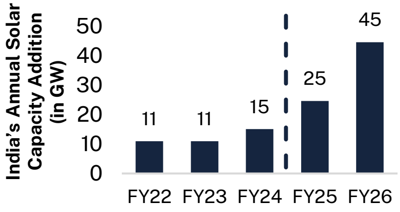
Initiating India's self-sufficiency journey in solar

Since ALMM-I barred imported modules from government and utility-scale projects in April 2024, module imports fell over 30% in FY25 (18.9 GW to 12.7 GW) even as solar capacity additions surged over 50% (~15.1 GW to ~24.7 GW), demonstrating that reduced import reliance and rapid capacity build-out can go hand in hand.

Implementation of ALMM



Implementation of ALMM - I

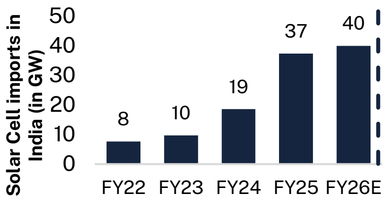


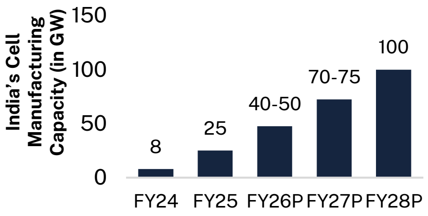
ALMM – II (Cells):

Extending self-reliance from modules into cells

By requiring domestically made cells from 1 June 2026, ALMM-II (ALCM) extends localisation upstream and widens demand for India-made cells from the narrow DCR niche to the far larger utility-scale and C&I segments, a shift set to pull down cell imports (an expected ~40 GW in FY26) as domestic capacity ramps.

Implementation of ALMM - II

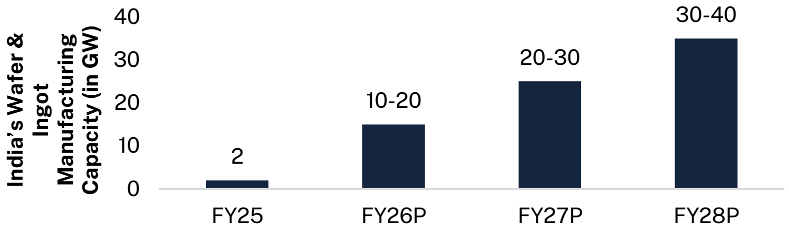




ALMM – III (Wafer & Ingots):

Localization from cells to wafer & ingots; completing the value chain

By mandating domestically produced cells and ingot-wafers from June 2028, ALMM-III (ALWM) closes the value chain's last and most import-reliant gap and pushes the profit pool upstream, away from oversupplied module assembly toward the scarce ingot-wafer stage, where domestic capacity is set to grow from ~2 GW (FY25) to ~30–40 GW by FY28.



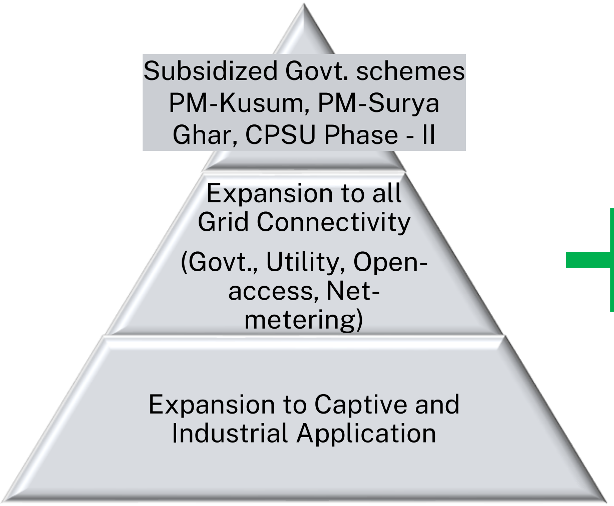
Source: Industry, Company, Midas Research.

Solar Industry - Overview (3/3)

DCR vs. non-DCR: DCR mandate ring-fences domestic demand

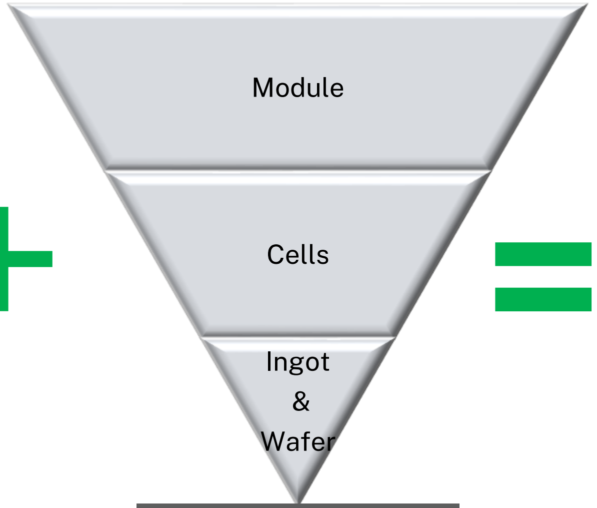
- **Domestic content requirement (DCR):** DCR is a regulatory mandate to use cells and modules manufactured in India for solar projects and meet MNRE specifications and testing standards.
- Its purpose is to promote domestically manufactured equipment and is implemented through flagship government schemes such as the CPSU Scheme, PM-KUSUM, and grid-connected rooftop solar programmes.

DCR expanding its gamut from subsidised niche to market-wide reach....



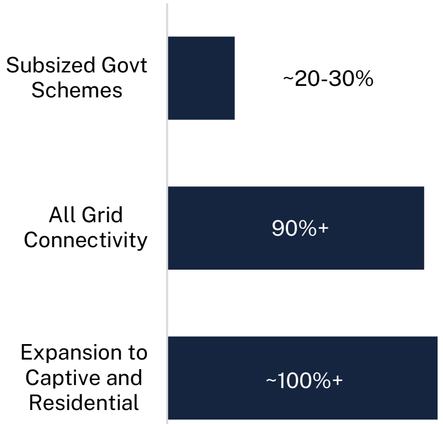
DCR Mandate

....and replicating ring-fenced demand across cells and wafers....



ALMM Mandate

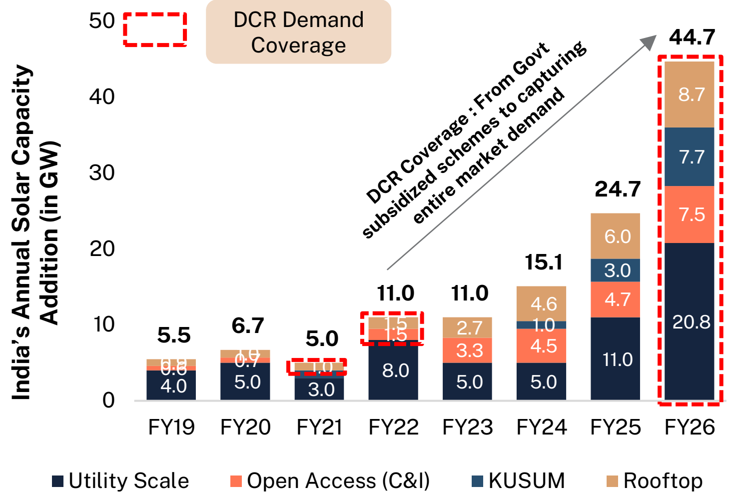
....drives DCR demand up multi-fold, to cover nearly the entire market.



Domestic Solar Market Demand Coverage (in %)

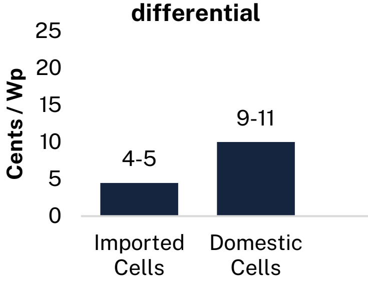
Result: Ring-fenced demand covering ~100% market

Coverage broadens from subsidised niches (KUSMU & Rooftop) to the entire grid-connected market (includes Utility and Open Access)

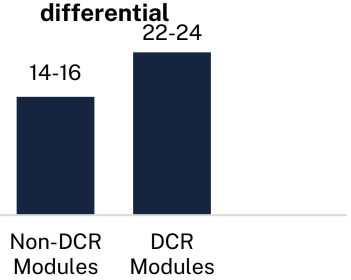


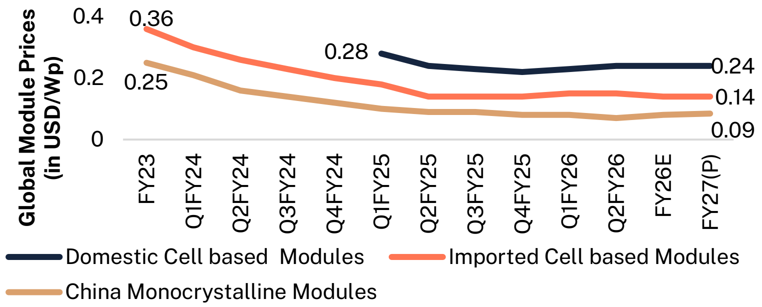
DCR ring-fences demand for local equipment - supporting ~50–60% price premium over imported modules/cells - Giving domestic manufacturers the demand certainty and pricing power to scale and integrate.

Cell Price differential



Module Price differential



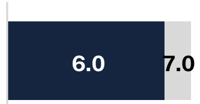


- **DCR translates directly into pricing power:** DCR cells and modules sell at a clear premium to non-DCR and imports (~9–11 vs 4–5 cents/Wp for cells; ~22–24 vs 14–16 for modules), and that spread has persisted even as global prices fell.
- By ring-fencing demand toward India-made equipment, DCR shields domestic pricing from global deflation, handing domestic manufacturers a captive, premium market and the pricing power to scale and integrate.

Source: Industry, Company, Midas Research.

2.1 – Business Franchise and Moat (1/4)

An Integrated Solar Player : Leader in TopCon Technology



Emmvee's moat rests on early backward integration into domestic TopCon cells, the scarce, policy-protected step, with 100% TopCon, a Fraunhofer partnership and sole 2024 PVEL clearance. It converts into sector-topping realisation (~Rs.19.1/W, on the TopCon edge plus a rising DCR premium), best-in-class economics that hold down the P&L (~34% EBITDA, ~51% RoE, margin-led), and durable, bankable demand (A-list IPP/C&I ~76% of a ~9.9 GW book, 57% repeat, customer pre-funding). **Accordingly, we assign a rating of 6.0/7.0.**

Emmvee's edge is one hard-to-copy

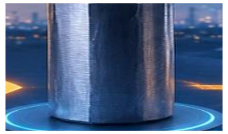
Early backward integration into domestic TopCon cells

Which powers premium pricing, structural margin and durable demand

An Integrated Solar Player

16.3 GW
Module Capacity
(by Q3FY27)

8.9 GW
Cell Capacity
(by Q4FY27)



9 GW
Planned Ingot-Wafer Capacity
(over FY29-30)

A Leader in TopCon Technology

Emmvee's TopCon expertise is underpinned by a 2022 R&D contract with Fraunhofer ISE, Europe's largest solar research institute, which provided royalty-free process know-how, equipment selection and personnel training.

2022 Frauhofer ISE R&D Contract	**Royalty-free** Process know-how & training	**<0.008%** warranty-claim rate (3 yrs)	**All 7 tests cleared** Sole Indian maker to clear 2024 PVEL

Policy runway – Integration and Technological advancement MOAT widens upstream

ALMM – I (in force) → **ALMM – II** (June 2026) → **ALMM – III** (June 2028)

The MOAT shows up in three ways – the next three slides prove each

1. Earns Most

- **Realization - Rs. 19.1 / W**
  (Against Peer Avg. – Rs. 16.2 / W)

TopCon leadership and a rising DCR mix lift realization

2. Keeps Most

- **Gross / EBITDA Margin - 45% /34%**
  (Against Peer Avg. – 34% / 24%)

The realization lead holds all the way down the P&L

3. Keeps Winning

- **Scaling order size – 18 MW(FY23) – 221 MW(FY26)**
  (A-List buyers pre-fund orders)

Durable Demand: Bankability keeps orders bigger, stickier, and funded

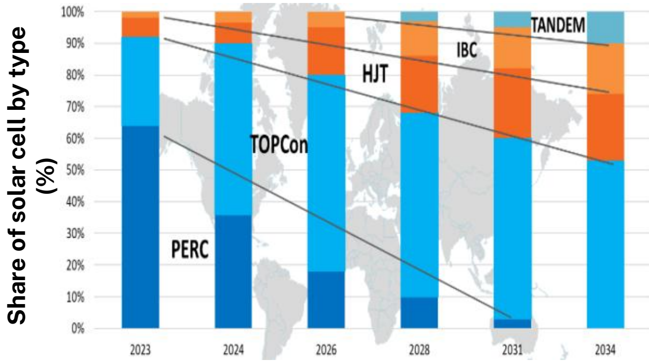
Source: Industry, Company, Midas Research.

2.1 – Business Franchise and Moat (2/4)

TopCon leadership and a rising DCR mix lift realization

The domestic market is pivoting to TopCon — Emmvee is already 100% there

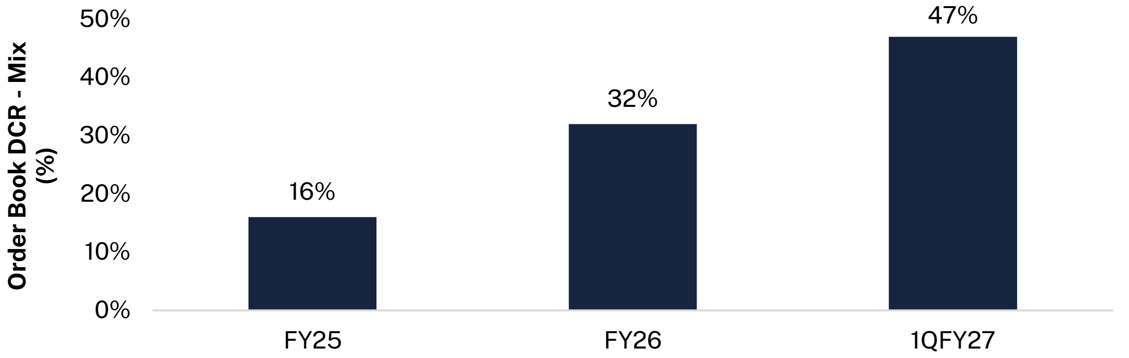
- The domestic solar industry is witnessing a transformational shift from Mono-PERC to N-type TopCon, driven by higher efficiency (~22–23%) and the modest capex to convert existing PERC lines into TopCon.
- Underpinned by a 2022 R&D contract with Fraunhofer ISE (Europe's largest solar research institute), Emmvee has built a 100% TopCon module and cell manufacturing base.



Unit	Module (GW)	Cell (GW)	Tech.
Unit 2	0.87	–	TOPCon
Unit 3	2.21	2.94	TOPCon
Unit 4	2.21	–	TOPCon
Unit 5	2.50	–	TOPCon
Unit 6	2.50	–	TOPCon
Total	**10.30**	**2.94**	**100% TOPCon**
Unit 7 (exp.)	+6.00	+6.00	TOPCon

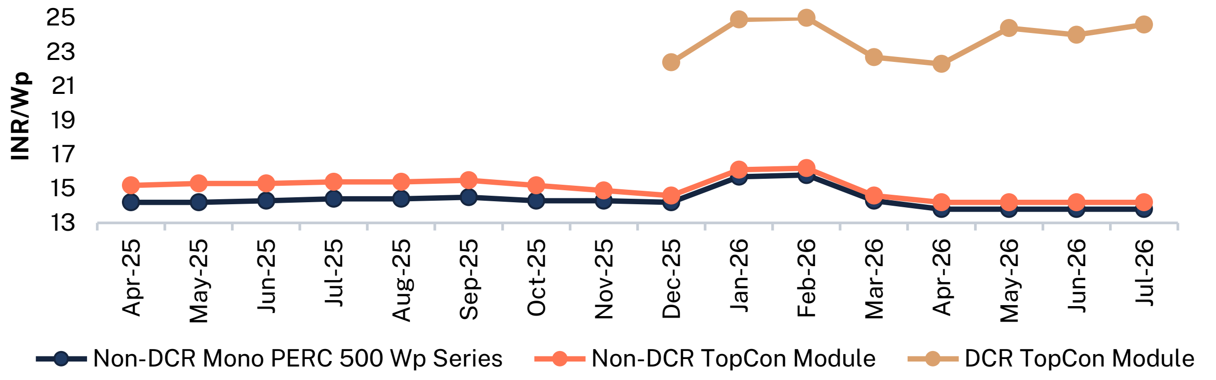
Emmvee is steering captive cells into DCR — to tap the scarce step in the chain

- Emmvee's DCR order-book mix has climbed steadily — 16% (FY25) → 32% (FY26) → 47% (Q1FY27) — a conscious shift toward the higher-value end of the chain. By channelling its captive cells (2.9 GW) into premium DCR modules, Emmvee lifts realisation while partly offsetting the drag from falling ASP.



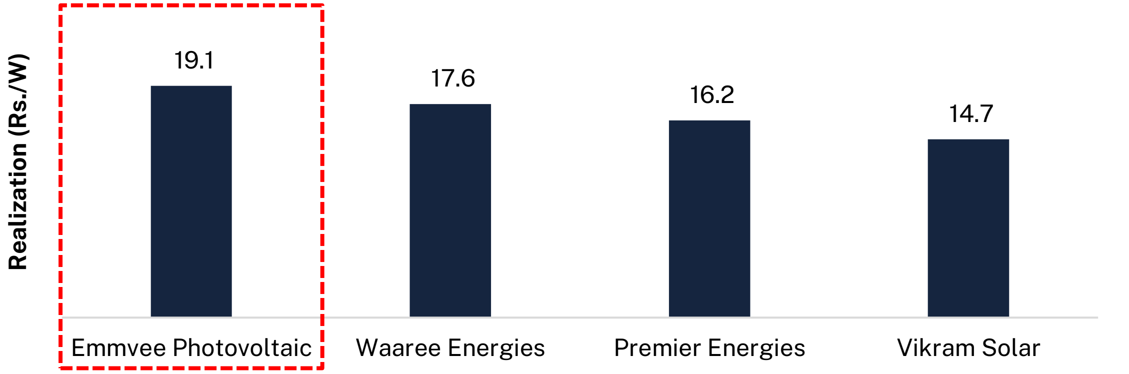
Where the premium lives: a modest TopCon edge, a large DCR gap

- The price data confirms, a DCR TopCon commands over a 50% premium over non-DCR, and even non-DCR TopCon sits above Mono-PERC, leaving Emmvee doubly advantaged, since its integrated TopCon-plus-captive-cell base can capture both.



Emmvee captures DCR premium & TopCon differential to support sector-topping realization

- Through captive TopCon cell base Emmvee efficiently capture both premiums - the modest efficiency edge of TopCon over Mono-PERC, and the far larger DCR premium unlocked by policy-driven domestic-cell scarcity, translating directly into sector-topping realisation.



Source: Industry, Company, Midas Research.

2.1 - Business Franchise and Moat (3/4)

The realization lead holds all the way down the P&L

Realisation leadership cascades down the P&L – Reflected in return ratios as well

Rs.19.1 Realization → **~45% Gross Margin** → **~34% EBITDA Margin** → **~21% Net Margin** → **~51% RoE**

Gross Margin Leadership

The realization premium reaches the gross line intact

Price pass through Contracts

- Emmvee's marquee-customer contracts are largely USD-denominated with raw-material and FX pass-through built in, unlike peers who typically pass through only cell-price volatility.
- Full-contract customer advances also help pre-build raw-material inventory, further mitigating input volatility.

Continuous Product / Process Innovation

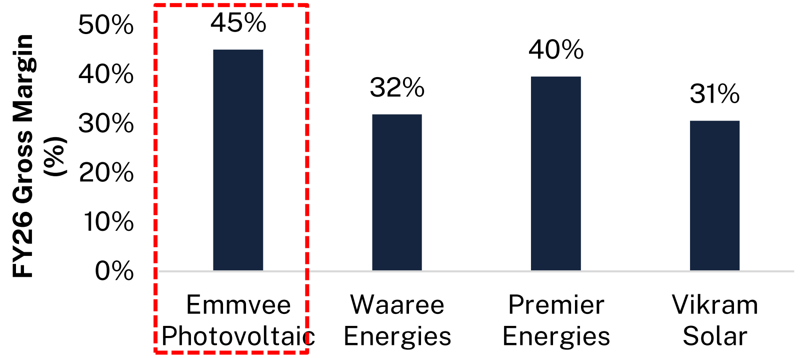
- Process innovation is a structural cost lever: silver-paste consumption (~13% of cell cost) has been cut over ~50%, with intent to reduce it a further ~40%.

Rising Backward Integration

- Emmvee internalises the chain's highest-margin step at ~29% integration — among the top quartile, and rising further as higher-density G12R cells add output.

Backward integration (in GW)	Current capacity (FY26)		
	Module	Cell	% Integration
Emmvee	10.3	2.9	**29%**
Waaree	25.8	5.4	21%
Premier	11.1	3.6	32%
Vikram	9.5	0.0	0%

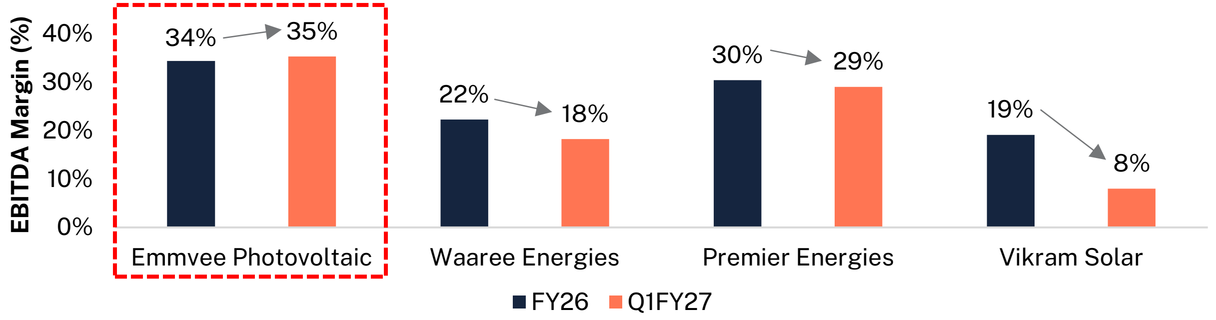
Gross margin tops the set at ~45%
Structural levers underpin cost leadership



EBITDA Margin Leadership

Best-in-Class EBITDA margin sustains
Emmvee expands margins while peers compress – resilience that's structural, not incidental

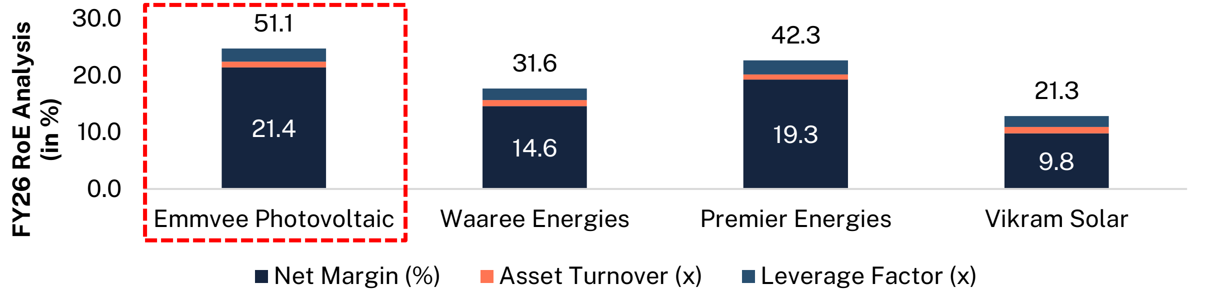
- In a quarter (Q1FY27) of rising silver and aluminium costs and supply-chain strain that squeezed margins industry-wide, Emmvee expanded EBITDA margin to ~35%.
- **The resilience is structural:** scaling volumes spread fixed overheads across more watts (operating leverage), while a large B2B base and richer DCR mix keep selling and distribution costs low.



PAT Margin led RoE Leadership

Best-in-Class return ratios
RoE outperformance earned in the P&L, not borrowed from balance sheet

- **Emmvee's ~51% RoE leads the set and is margin-led, not leverage-led:** net margin (21.4%) sits well above Waaree and Vikram, while asset turnover (1.04×) and leverage (2.29×) are in line, so the returns are earned in the P&L, not gearing.



Source: Industry, Company, Midas Research.

2.1 - Business Franchise and Moat (4/4)

Durable Demand: Bankability keeps orders bigger, stickier, and funded

The MOAT
Integration, Scale, Quality

Emmvee Earns Bankability

Integration
Captive cells makes Emmvee a bankable supplier

- Captive TOPCon cell manufacturing makes Emmvee one of the few credible, bankable vendors around which large IPPs and C&I developers can build financed, PPA-backed projects.

Capacity Scale-up
6 GW capacity expansion to drive large commitment underwriting

- Capacity expansion in module ~16.3 GW (from 10.3 GW) and 8.9 GW of cells (from 2.9 GW) by end-FY27, enables Emmvee to credibly sign large, multi-year contracts.
- Management books only what it can execute within 12–18 months; so higher capacity enables larger, responsibly underwritten orders.

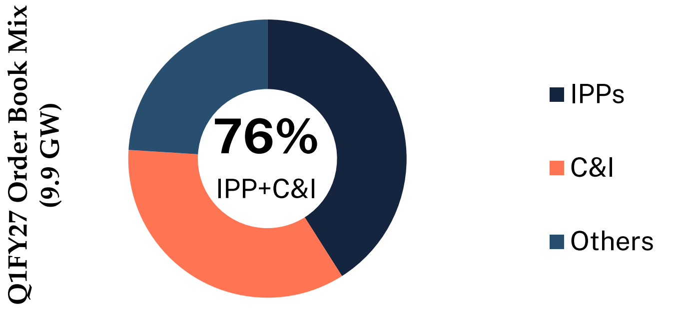
Technology and Quality
Product innovation and reliable quality drive repeat preference

- Emmvee's 100% transition to TOPCon, move to higher-density G12R cells, and exceptionally low warranty-claim rate (<0.008% over three years) underpin strong repeat business from its A-list customer base.

The Pull
A-List customers pre-fund orders

Bankability Attracts A-list Customer

- IPPs and C&I together make up ~76% of the order book, highlighting a base of well-financed, PPA-backed A-List customers that lends the book both quality and durability.



Buyers Pre-fund Emmvee

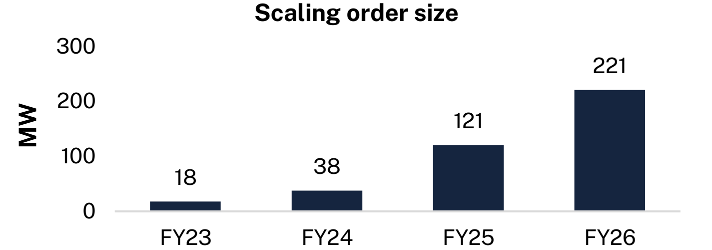
Rs.320 cr
Customer advance garnered in FY25 against a single 4.5 GW multi-year TopCon cell order (FY25).

Advances are order-linked and lumpy – normalised to Rs. 70 cr (FY26) highlights robust execution.

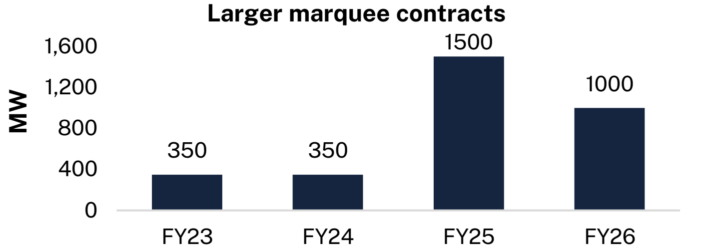
Key Takeaway
Customers' willingness to pre-fund at scale

The Proof
Bigger, Stickier Orders

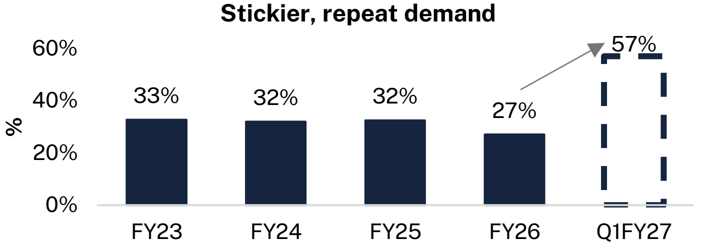
Credible Demand Fills a Durable Book



Avg. order size, top-10 customers (MW)



Largest contract from a single customer (MW)



Repeat customer rate (%)

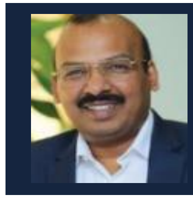
Source: Company, Midas Research

2.2 - Management and Governance Quality (1/2)

Management Team

Emmvee is led by a seasoned, promoter-anchored team, with Chairman & MD Manjunatha Donthi Venkatarathnaiah bringing 30+ years in solar and a management bench spanning ~6–45+ years, including a CFO with 31 years of Aditya Birla experience. Governance is sound, with a 50% independent board, two women directors and key committees led by independents. Continuity is strong, with promoters at the helm since incorporation in 2007, while related-party transactions declined from 15% of revenue in FY23 to 2% in FY26. **Accordingly, we assign a rating of 5.5/7.0.**

Senior management comprises highly skilled professionals with decades of industry experience



Mr. Manjunatha Donthi Venkatarathnaiah

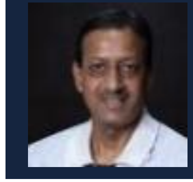
Chairman & Managing Director

- Mr. Manjunatha, a promoter of Emmvee, has been associated with the company since its incorporation and with the solar industry since 1992.
- A Commerce graduate from Bangalore University, he co-founded Emmvee Solar Systems in 1996 and Emmvee in 2007, bringing over three decades of industry experience.
- He provides strategic guidance to the Board on formulating and executing the company's business strategy and has received the Sourya Urja Bhushan (2015) and Business Leadership Excellence Award at EQ's Karnataka State Annual Solar Awards (2020).

Mr. Suhas Donthi Manjunatha

Whole Time Director, President & CEO

- Mr. Suhas Donthi, a promoter and Whole-Time Director, President and CEO, holds a BSc in Business and Engineering from Drexel University, Pennsylvania, USA, and has over six years of experience in renewable energy.
- He oversees the company's domestic and international operations, including key European and US markets, and drives its short- and long-term strategic initiatives.
- In 2025, he received the Hall of Fame Leadership Award (Legacy & Empire Building) at the Karnataka Annual Solar Awards and the Most Promising Business Leaders of Asia Award at the Times Now Asian Business Leaders Conclave.



Mr. Pawan Kumar Jain

Chief Financial Officer

- CFO since September 2024, Mr. Jain is an Associate Member of ICAI and holds an Executive MBA from Mohanlal Sukhadia University, Udaipur.
- He brings over 31 years of experience with the Aditya Birla Group and oversees the company's finance and accounting functions, including financial planning, reporting and overall financial management.

Mr. T Srinath

Chief Technology Officer

- CTO since April 2010, Mr. Srinath holds an engineering degree from Bangalore University and an MBA from Monash University, Australia.
- He leads technology, strategy and innovation across Emmvee and its subsidiaries, having previously worked at Emmvee Solar Systems from 2001 to 2010, giving him deep familiarity with the group's operations and technology ecosystem.

Source: Company, Midas Research

2.2 - Management and Governance Quality (2/2)

✅: Positive
☑️: Neutral
❌: Negative

Governance overview

Rating		Corporate factsheet
✅	**Board of Directors – Independence & diversity**	▪ The board of directors comprises 6 members, including two Executive Directors (one Managing Director and one Whole-time Director), one Non-Executive Director and three Non-Executive Independent Directors. ▪ The board has two women directors – one Non-Executive (Promoter) Director and one Non-Executive Independent Director. ▪ The board is composed of seasoned professionals with extensive industry experience (ranging from 6 to 45+ years), including three representatives from the company's promoter group. ▪ Independent Directors constitute 50% of the board.
✅	**Board of Directors – Changes in directors**	▪ Mrs. Shubha Manjunatha Donthi was redesignated and appointed as a Non-Executive Director on May 26, 2025. ▪ Mr. Ram Kumar Tiwari, Mrs. Sambasivarao Chandramouleswara Sharada and Mr. Santosh Kumar Mohanty were appointed as Non-Executive Independent Directors on May 26, 2025. ▪ Mr. Suhas Donthi Manjunatha was appointed as an additional director on March 22, 2024, and redesignated as Whole-time Director on April 30, 2025. ▪ Mr. Nandeesh Kumar Rajashekaraiah Hundi and Mr. T Srinath resigned as directors on March 19, 2025; Mr. Jatin Saluja resigned on March 22, 2024.
✅	**Board of Directors – Independence in board committees**	▪ The Audit Committee comprises four directors, of whom three are independent directors, and is chaired by an independent director. ▪ The Nomination and Remuneration Committee comprises three directors, all of whom are independent directors.
☑️	**Changes in Key managerial personnel**	▪ Mr. Nagaraj Shrinivas Ronad was appointed as the compliance officer, effective July 1, 2026, following the resignation of Mr. Shailesha Barve as Company Secretary & Compliance Officer. ▪ Mr. Pawan Kumar Jain was appointed as Chief Financial Officer, effective September 17, 2024. ▪ Mr. Nagaraj Shrinivas Ronad resigned as Company Secretary, effective February 28, 2025. ▪ Mr. Manjunatha Donthi Venkatarathnaiah and Mr. Suhas Donthi Manjunatha were re-appointed as Chairman & Managing Director and Whole-time Director, President & CEO, respectively, effective April 30, 2025.
✅	**Management continuity**	▪ Mr. Manjunatha Donthi Venkatarathnaiah, Chairman & Managing Director, has been associated with the Company since its incorporation in 2007 (director since March 26, 2007) and has been in the solar industry since 1992. ▪ Mrs. Shubha Manjunatha Donthi, Non-Executive Director, has been a director since March 26, 2007, with ~29 years in the renewable energy sector. ▪ Mr. Suhas Donthi Manjunatha, Whole Time Director, President & CEO, has served as a director since March 22, 2024.
✅	**Management remuneration**	▪ Mr. Manjunatha Donthi Venkatarathnaiah, Managing Director’s remuneration stood at Rs. 10.00 cr in FY26, representing less than 1% of FY26 PAT. ▪ Mr. Suhas Donthi Manjunatha, Whole-time Director, President & CEO’s remuneration stood at Rs. 7.2 cr in FY26, representing less than 1% of FY26 PAT. ▪ Mrs. Shubha Manjunatha Donthi’s remuneration stood as nil in FY26 against at Rs. 3.01 cr as an executive director in FY25 (~0.8% of FY25 PAT). ▪ Mr. Pawan Kumar Jain, Chief Financial Officer’s remuneration stood at Rs. 2.37 cr in FY26, representing less than 1% of FY26 PAT.
✅	**Promoter holding**	▪ Mr. Manjunatha Donthi Venkatarathnaiah – 48.18%, Mrs. Shubha Manjunatha Donthi – 48.18%, Mr. Suhas Donthi Manjunatha – 1.82%, Mr. Sumanth Manjunatha Donthi – 1.82% (post-Offer).
☑️	**Promoter group holding**	▪ Manjunatha Donthi Family Trust – 11,000 shares, Shubha Donthi Family Trust – 11,000 shares, Shreiya Suhas Donthi – 1 share (pre-Offer).
✅	**Related-party transactions**	▪ As of FY26, related party transactions were Rs 106 cr, representing 2% of revenue. The ratio has declined from 15% in FY23 to 2% in FY26.

Source: Company, Midas Research

2.3 - Risk Profile and Pricing Power

Highly competitive industry

4.5	7.0

Competitive pressures run high, with intense rivalry amid rapid capacity expansion, elevated supplier power from wafer/polysilicon import dependence, and strong buyer power given concentrated, ~98% B2B demand. New entrants and substitutes are moderated by capital and technology barriers and import protection (BCD, ALMM, DCR). Against this backdrop, Emmvee's strong franchise, backward integration, Fraunhofer-backed TOPCon leadership, and integrated-player scale provide partial insulation. **Accordingly, we assign a rating of 4.5/7.0.**

Porter's 5 Forces

Threat of New Entrants-Moderate

- Cell and module manufacturing requires high capital, specialised technology and certifications, with Emmvee leveraging Fraunhofer ISE expertise to commission its 2.94 GW TOPCon cell line in 21 months.
- However, India's module capacity reached ~170+ GW by FY26 and is expected to reach ~175–200 GW by FY28, driving rapid capacity additions and new entrants.

Threat of Substitutes-Moderate

- India's reliance on low-cost Chinese imports could increase as global module prices decline, although the 40% BCD on modules, 25% on cells, ALMM, and DCR requirements provide meaningful protection to domestic manufacturers.
- Emerging tandem/perovskite and back-contact technologies could eventually challenge TOPCon, but Emmvee is mitigating this risk through its ongoing collaboration with Fraunhofer ISE on next-generation technologies..

Competitive Rivalry-High

- Emmvee faces intense competition from Waaree Energies, Vikram Solar, Premier Energies, Rayzon Solar, and Tata Power, with several competitors having greater financial resources.
- Domestic module capacity has reached ~170 GW and is expected to remain range 175-200 GW by FY30, increasing supply, pricing, and market-share pressure, partly offset by Emmvee's position as the #2 pure-play integrated player.

Bargaining power of Suppliers-High

- 71.5% of raw materials were internationally sourced in FY25, with 55.7% of imports coming from China. Purchase-order-based sourcing without long-term contracts exposes Emmvee to price, currency, and duty volatility.
- Top 10 suppliers accounted for 52.9% of purchases in FY25, while Emmvee remains dependent on external suppliers for wafers and polysilicon, keeping supplier bargaining power elevated.

Bargaining power of Buyers-High

- Top 10 customers contributed 85.0% of FY25 revenue, with the largest customer accounting for 35.9%, making Emmvee vulnerable to the loss of key customers.
- ~98% of revenue is B2B, with government orders won through competitive bidding. Standardised modules enable easy switching, while the FY25 repeat-customer rate of 32.4% and absence of minimum-order commitments keep buyer power high.

Source: Industry, Company, Midas Research

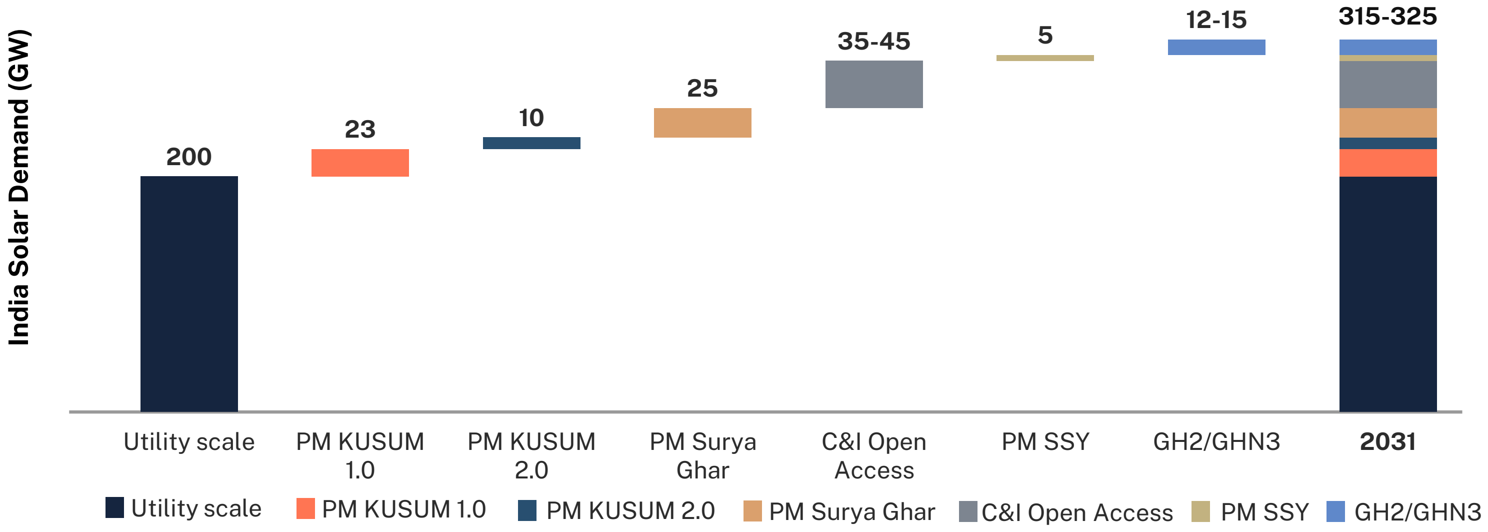
2.4 - Financials (1/3)

Deep demand feeds a confirmed, fast-growing order book

Emmvee's financial trajectory rests on three reinforcing levers. **Demand visibility:** a confirmed, DCR-rich order book scaling toward ~13 GW by FY28E, where capacity, not demand, is the binding constraint. **Capacity-led volume:** the 6 GW expansion (to ~16.3 GW modules / ~8.9 GW cells, integration toward ~55%) drives ~58% volume growth and, with realisation held firm by a richer DCR mix, drives ~61% revenue CAGR. **Structural margins:** deeper integration, rising DCR mix and operating leverage mean EBITDA moderates far less than gross as prices fall, compounding EBITDA at ~53% CAGR. **Accordingly, we assign a rating of 6.0/7.0.**

A broad-based demand pool converts into a book of confirmed orders –largely visible, not hopeful…..

India's solar demand pool is ~315 – 325 GW by FY31 : Largely driven by C&I where Emmvee has strong presence



~315 – 325 GW
Total Demand Pool by FY31

~150 – 200 GW
Total Demand for FY29-31
(assuming near-term demand till FY28 already booked)

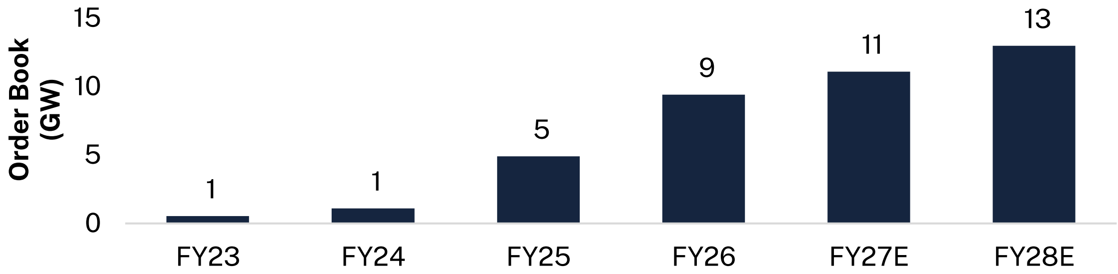
~7 – 8%
Emmvee's proportional capacity share
16.3 GW vs. ~200 GW+ industry pool

~13 GW
Order Book by FY28E

Capacity unlocks intake : the 6 GW addition lifts Emmvee's capacity to book orders executable in 12-18 months

- Q1FY27 alone added ~1.5 GW of inflows, among the highest quarters on record, excluding the landmark 4.5 GW multi-year order deal signed in Dec'25.
- With commencement of the 6 GW integrated facility, order-intake capability will rise materially, as the company largely focuses on taking orders executable over 12-18 months.
- Improved order intake capacity will take the book toward ~13 GW by FY28E.

Strong ~13 GW order book provides Emmvee a multi-quarter revenue visibility



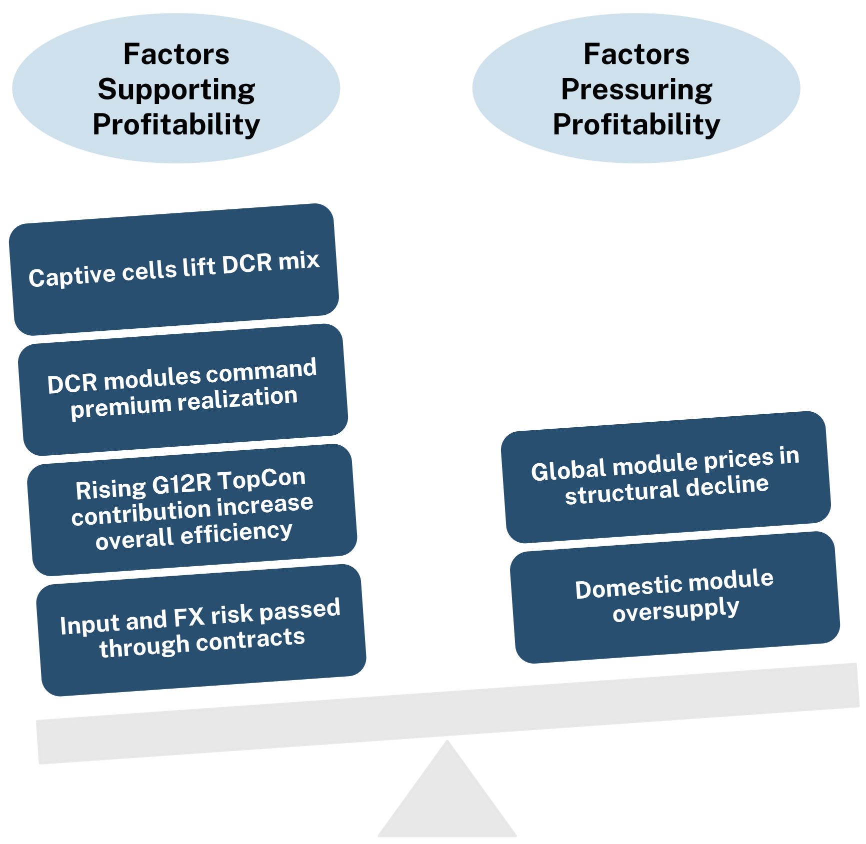
Source: Industry, Company, Midas Research

2.4 - Financials (2/3)

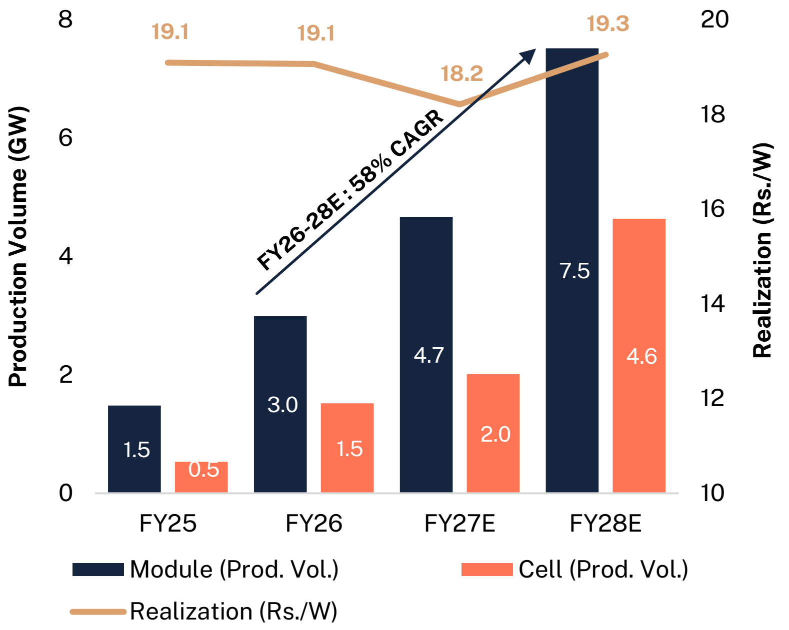
Structural levers turn the volume ramp into ~60% revenue growth

.....the confirmed book converts to revenue as capacity fills – combined with sustained realization on back of structural levers

Structural levers defend realisation against external headwinds.....

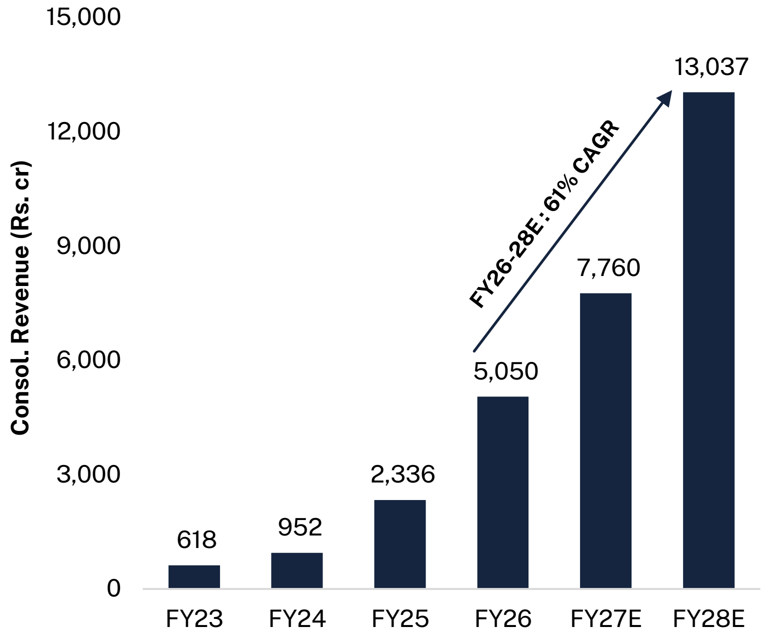


.....sustaining blended realisation as 6 GW ramp scales volume.....



- With ~11 GW of confirmed orders by end-FY27 and ~70% executable within 12–18 months, roughly ~7.7 GW is due across FY28, sitting near to ~7.5 GW of output the newly commissioned 6 GW line can support.
- Realisation dips in FY27 only because the module line commissions a quarter ahead of the cell line (Q3 vs Q4FY27), temporarily crimping the captive-cell DCR mix, before both fully ramp in FY28 and the richer mix pulls realisation back toward FY26 levels.

.....so, revenue compounds at ~61%, a step ahead of ~58% volume growth.



- Production volume compounds ~58% while blended realisation is held roughly flat, dipping only briefly in FY27 before the richer DCR mix restores it in FY28, together compounding revenue at ~61% CAGR to Rs.13,037 cr by FY28E. Growth is volume-led, with structural levers holding realisation firm against falling global prices so scaling volume converts into revenue at a sustained per-watt value.

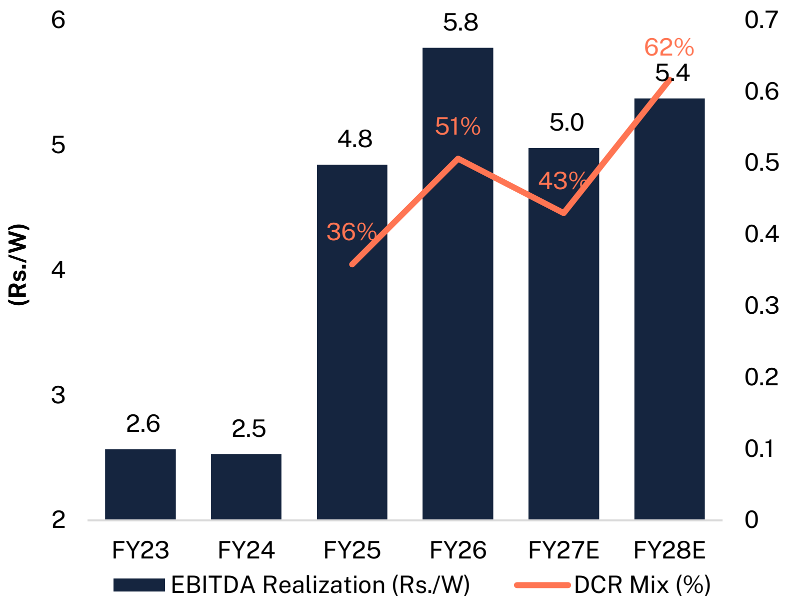
Source: Industry, Company, Midas Research

2.4 - Financials (3/3)

Mix and Scale drives EBITDA at a robust ~53% CAGR

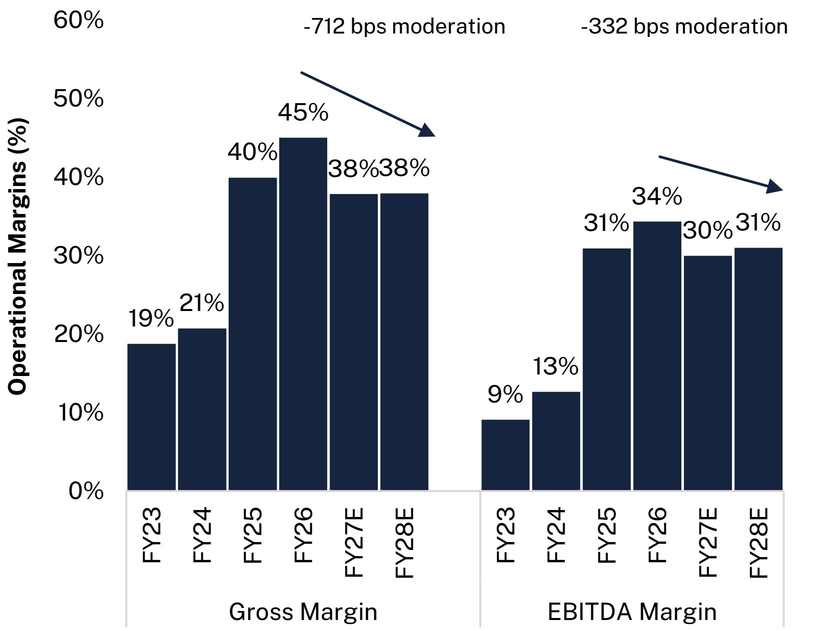
.....integrated volume ramp led DCR mix improvement arrests any significant drop in EBITDA / W against falling global prices and drives robust ~53% EBITDA CAGR.

A rising DCR mix holds EBITDA/W despite adverse externalities.....

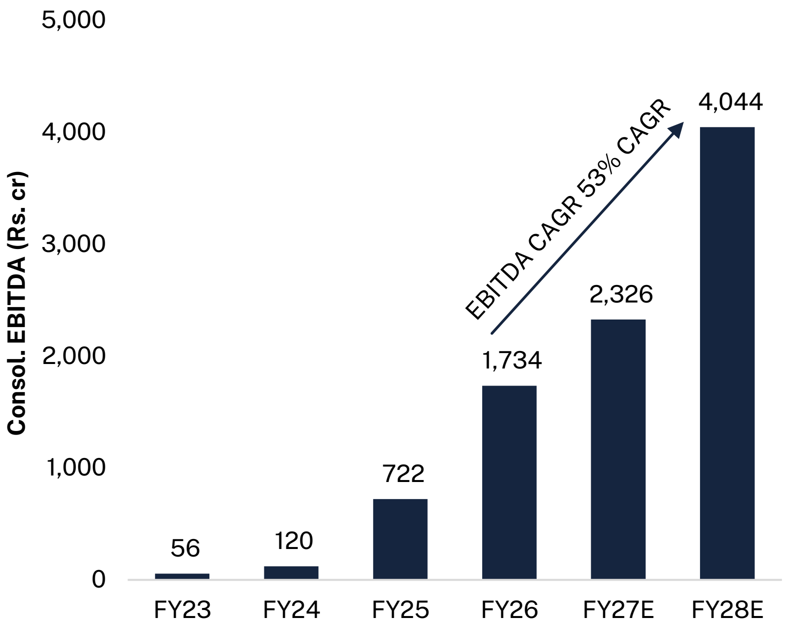


Note: DCR Mix is based on production volume

.....while scaling integrated volumes bring operating leverage into play.....



.....together compounding EBITDA at a robust ~53% CAGR.



DCR mix holds EBITDA/W: A one-quarter cell-commissioning lag briefly dips EBITDA/W in FY27, but full ramp-up in FY28 improves the DCR mix and recovers EBITDA to ~Rs.5.4/W despite falling prices.

Operating leverage contains the fall: Gross margin corrects ~7% owing several external factors including falling global module prices, but EBITDA moderates just ~3% as the ramped 6 GW plant spreads fixed costs and operating leverage absorbs the impact.

The two compound EBITDA: Held per-watt economics plus operating leverage turn scaling volume into ~53% EBITDA CAGR.

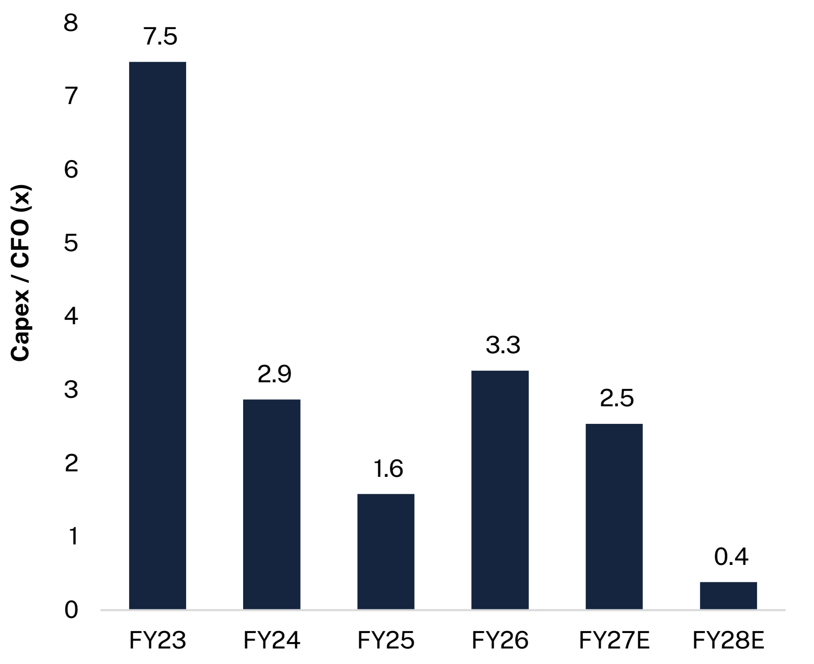
Source: Company, Midas Research

2.5 – Balance Sheet and Cash Flow

Revenue is vanity, profit is sanity, but cash is reality

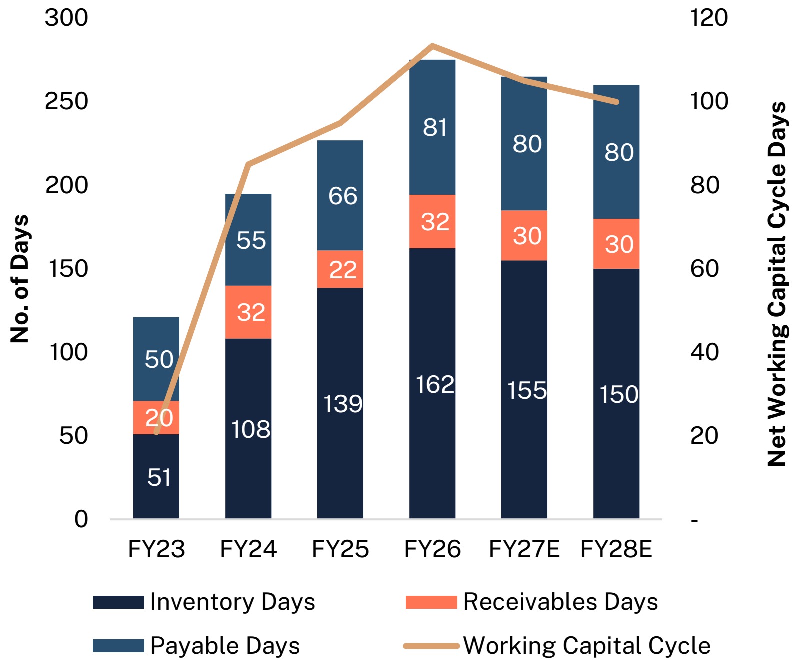
Emmvee's balance sheet has swung from peak leverage (net D/E ~5.5x in FY24) to net cash after the Nov-2025 IPO, which funded ~Rs.1,621 cr of debt repayment. The ~Rs.5,500 cr 6 GW capex is front-loaded into FY27E, so net D/E re-levers to ~0.7x in FY27E before cash generation deleverages it to ~0.3x by FY28E, with the working-capital cycle easing from a ~113-day FY26 peak toward ~100 days. This leaves headroom to fund the next ingot–wafer capex leg from ~FY29E. **Accordingly, we assign a rating of 5.5/7.0.**

The 6 GW capex is front-loaded into FY27E, with marginal spill over FY28E.....



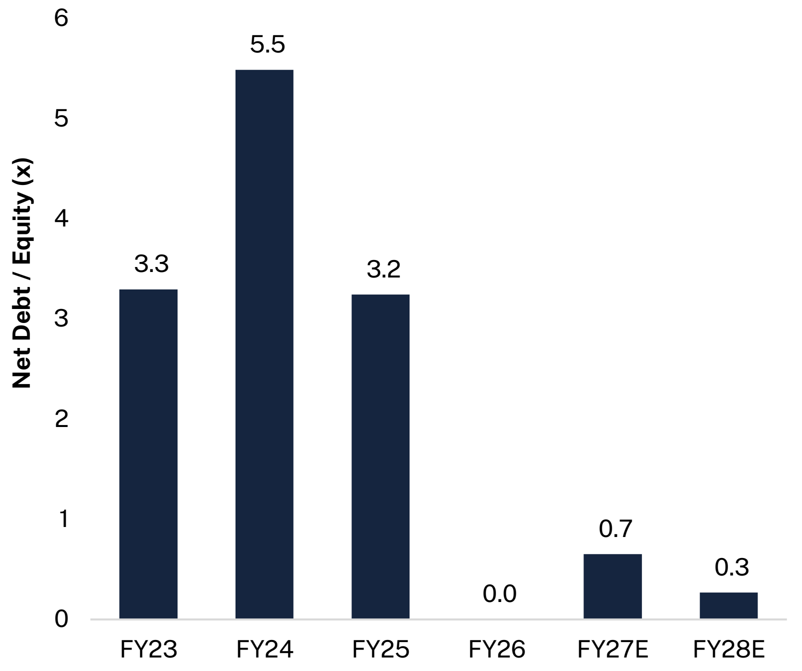
The bulk of the ~Rs.5,500 cr, 6 GW integrated investment is front-loaded into FY27E (hard cost ~Rs.4,600 cr), with the residual spilling into early FY28E. So, the capex burden falls sharply from the FY27E peak toward FY28E, freeing cash flow that had been absorbed by the build-out.

.....as inventory build recedes once capacity commission by end-FY27, the working capital cycle eases.....



The FY26 spike in inventory reflects raw-material stocking ahead of the series of capacity additions. As the 6 GW plant commissions by end-FY27, that build unwinds and the net working-capital cycle eases from its ~FY26 peak, with further improvement into FY28E as production normalises — reducing the working-capital funding requirement.

.....letting strong cash flow deleverage the balance sheet & make it ready for next leg of ingot-wafer capex in FY29E.



Debt drawn in FY27E to fund the 6 GW lifts net debt/equity to ~0.7× (from a near-net-cash FY26). But with capex largely behind it, working capital easing, and cash generation strengthening, Emmvee would deleverage rapidly to ~0.3× by FY28E, restoring balance-sheet headroom to fund the next capex cycle in ingots and wafers.

Source: Company, Midas Research

3 - Valuation Framework

Valuation Framework – Summary

3.1

By Own History:

- Valuation cooled from June–July highs back to long-term averages.
- Forward P/E near its ~14x median; EV/EBITDA down from peak to ~8.4x.
- P/B (~3.7x) and P/S (~2.4x) near their respective medians.
- Reset against still best-in-class fundamentals opens an attractive entry, a compelling re-rating candidate if performance sustains
- **Accordingly, we assign a rating of 6.0/7.0.**

3.2

Current Position vs Peers:

- Leads peers on profitability: ~34% FY26 EBITDA margin (~1.4x the ~24% avg.), ~51% RoE, ~43% RoCE.
- Fastest growth: ~61% revenue and ~51% PAT CAGR through FY28E, vs peer avg. ~44% / ~16%.
- Yet cheapest: ~6x FY28E EV/EBITDA (~9x earnings, ~0.2 PEG) vs ~7.0x peer avg.
- Most attractive growth- and quality-adjusted valuation in the group — room to re-rate
- **Accordingly, we assign a rating of 6.0/7.0.**

3.3

Based on Growth:

- ~51% PAT CAGR at just ~9x FY28E P/E (PEG ~0.2).
- Sector-leading ~53% EBITDA CAGR at just ~6x FY28E EV/EBITDA.
- Both among the lowest multiples in the set.
- Clear re-rating headroom if best-in-class growth sustains
- **Accordingly, we assign a rating of 6.0/7.0.**

3.4

Capturing Return Profiles:

- Best-in-class, margin-led returns: ~51% RoE, ~43% RoCE on a ~21% net margin, not leverage.
- Trades at an undemanding EV/EBITDA relative to that profile.
- Soft spot — cash conversion: FY26 CFO/PAT ~0.2x, well below peers, as the ramp absorbs working capital. Drag expected to ease as growth matures
- **Accordingly, we assign a rating of 5.0/7.0.**

3.5

Reflecting EVA:

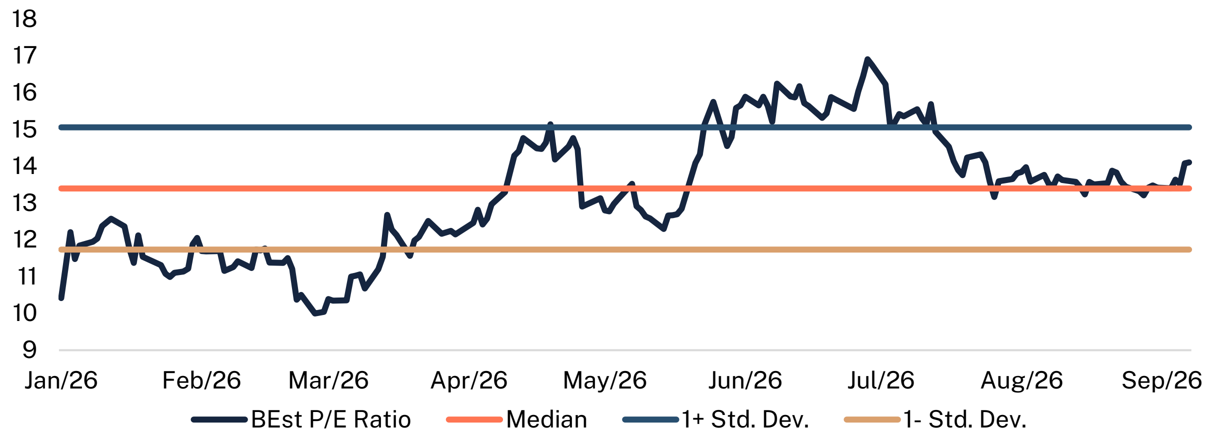
- Positive, peer-leading EVA spread — returns comfortably above cost of capital.
- Rose from ~7% (FY24) to a peak of ~28% (FY26).
- Moderates to ~15% (FY27E) as the ~Rs.5,500 cr, debt-part-funded 6 GW expansion temporarily inflates invested capital.
- Recovers to ~19% (FY28E) on the earnings ramp — a timing effect, not value erosion; spread stays positive and above peers
- **Accordingly, we assign a rating of 6.0/7.0.**

3.1 – By Own History (In Charts)

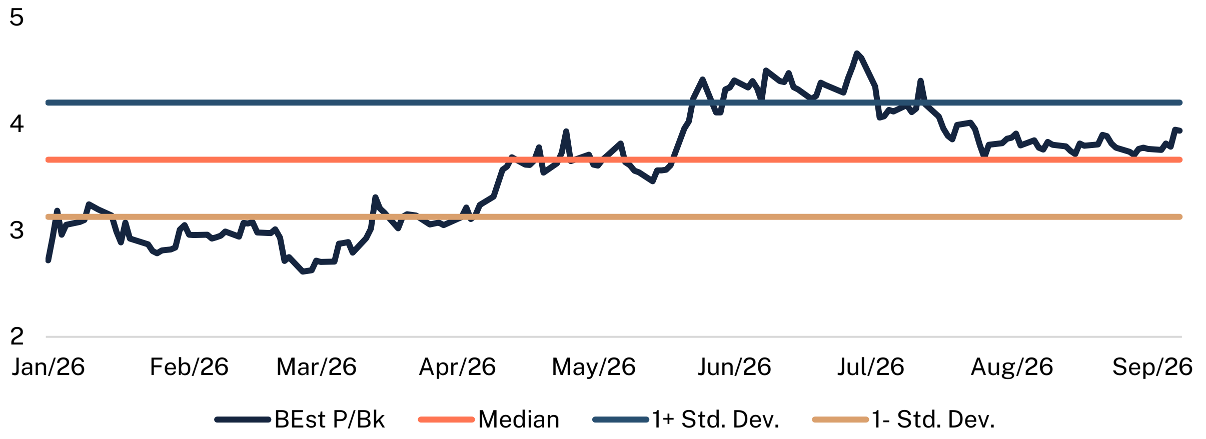
Valuation moderates while fundamentals stay intact: an attractive entry point

Across multiples, Emmvee's valuation has cooled from its June–July highs back to long-term averages, forward P/E near its ~14x median, EV/EBITDA has declined from its peak to ~8.4x, while P/B (~3.7x) & P/S (~2.4x) are near their respective medians. This moderation, against a backdrop of fundamentals that remain best-in-class, opens an attractive entry point. Should this sector-leading performance sustain, the valuation reset positions Emmvee as a compelling re-rating candidate. **Accordingly, we assign a rating of 6.0/7.0.**

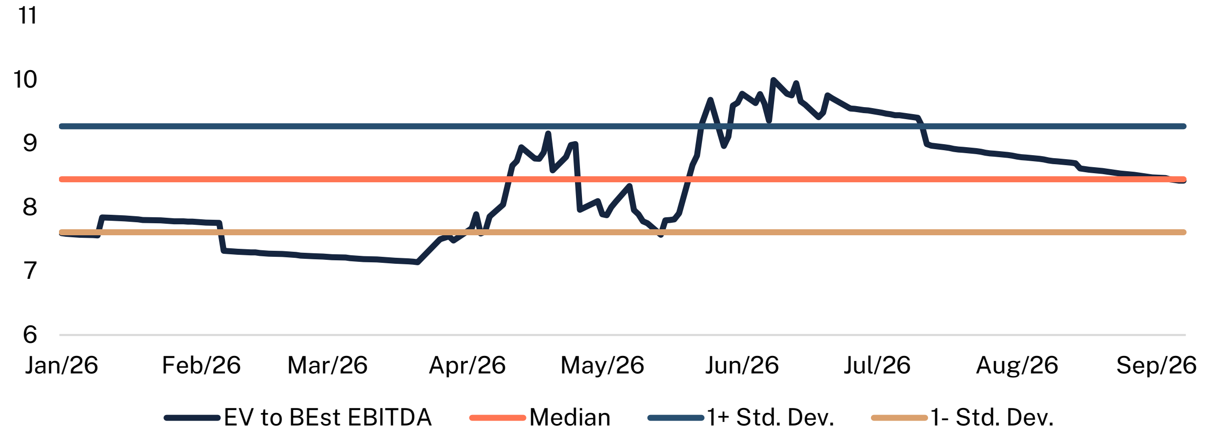
Robust earnings momentum and a pullback to ~14x P/E create an attractive entry point



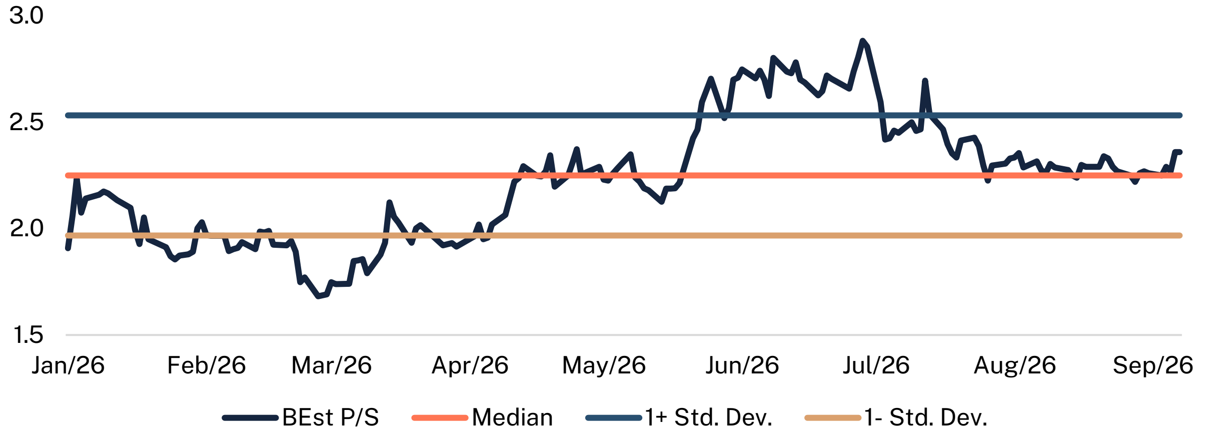
Fwd P/B back near ~3.7x median as return ratios remain sector-leading, making Emmvee compelling



1-Yr Fwd EV/EBITDA eases to ~8.4x from the ~10x Jun'26 peak, even as operating performance remains best-in-class



At ~2.4x median Fwd P/Sales, Emmvee trades at an undemanding valuation for one of the sector's fastest growers



Source: Company, Midas Research, Bloomberg

3.2 – Current Position vs Peers

Best-in-class fundamentals at a discounted valuation make for a compelling setup

Emmvee leads listed solar peers on profitability and growth, with ~34% FY26 EBITDA margin (~1.4x the ~24% avg.), ~51% RoE & ~43% RoCE, while its ~61% revenue & ~51% PAT CAGRs through FY28E exceed averages of ~44% and ~16%. Yet, at ~6x FY28E EV/EBITDA (~9x earnings and ~0.2 PEG) it trades below peer avg. of 7.0x EV/EBITDA despite superior fundamentals. This makes Emmvee the most attractive growth- and quality-adjusted valuation in the group, with room for re-rating. **Accordingly, we assign a rating of 6.0/7.0.**

- Emmvee is one of India's few fully backward-integrated, 100%-TOPCon solar manufacturers, with in-house cell capabilities and technology-led cost leadership driving best-in-class economics, including a ~34% FY26 EBITDA margin (~1.4x the ~24% peer avg.), ~51% RoE and ~43% RoCE. Yet, the stock trades at just ~6x FY28E EV/EBITDA (~9x P/E), below avg. of 7x despite superior fundamentals. This valuation understates the strength of its franchise and leaves clear room for re-rating.
- **The thesis rests on capacity-led volume growth:** Emmvee's 6 GW integrated module–cell capacity is being added into a market where domestic content rules channel demand toward locally manufactured cells. With a ~9.9 GW order book (~70% executable over 12–18 months), capacity, rather than demand, is the key constraint, supporting a ~61% revenue CAGR over FY26–28E versus the ~44% average. ALMM-III, which extends the mandate upstream to ingots and wafers, offers further upside not yet reflected in estimates.
- An improving mix, led by rising captive-cell integration (~Rs.6–6.5/W EBITDA for DCR cells vs. ~Rs.2–2.5/W for Non-DCR modules), a growing DCR share and operating leverage, keeps margins best-in-class even as ASP falls. EBITDA margin is expected to ease from ~34% to ~31% by FY28E, still above peers, driving a ~53% EBITDA CAGR. Near-term ramp-up costs, elevated finance costs, and higher depreciation charge are temporary drags on otherwise growth-accretive investments, supporting a ~51% PAT CAGR vs. ~16% for peers.
- We value Emmvee on EV/EBITDA, assigning **~8x FY28E EV/EBITDA** for a target price of **Rs. 444 (implied PEG of ~0.2x; ~35% upside)**, justified by its backward-integrated franchise, which deepens as ALMM extends upstream, alongside high growth, best-in-class returns, and a deleveraged balance sheet that supports further capacity expansion.

Companies	CMP(Rs)	Market Cap. (Rs. cr)	Revenue(Rs. cr)			EBITDA(Rs. cr)			EBITDA Margin (%)		PAT(Rs. cr)			EV/ EBITDA	RoE	
			FY26	FY28E	CAGR	FY26	FY28E	CAGR	FY26	FY28E	FY26	FY28E	CAGR	FY28E	FY26	FY28E
Emmvee Photovoltaic Power Ltd	**329**	**22,746**	**5,050**	**13,037**	**61%**	**1,734**	**4,044**	**53%**	**34%**	**31%**	**1,082**	**2,477**	**51%**	**6.1**	**51%**	**40%**
Waaree Energies Ltd.	2,555	73,507	26,537	41,299	25%	5,909	8,342	19%	22%	20%	3,891	4,914	12%	8.4	31%	22%
Premier Energies Ltd.	945	42,903	7,824	17,223	48%	2,377	4,605	39%	30%	27%	1,510	2,274	23%	9.9	42%	30%
Vikram Solar Ltd.	163	5,924	4,802	11,921	58%	954	2,047	46%	20%	17%	475	603	13%	2.6	21%	17%
Average					**44%**			**35%**	**24%**	**21%**			**16%**	**7.0**		**23%**

Source: Bloomberg, Midas Research

3.3 – Based on Growth

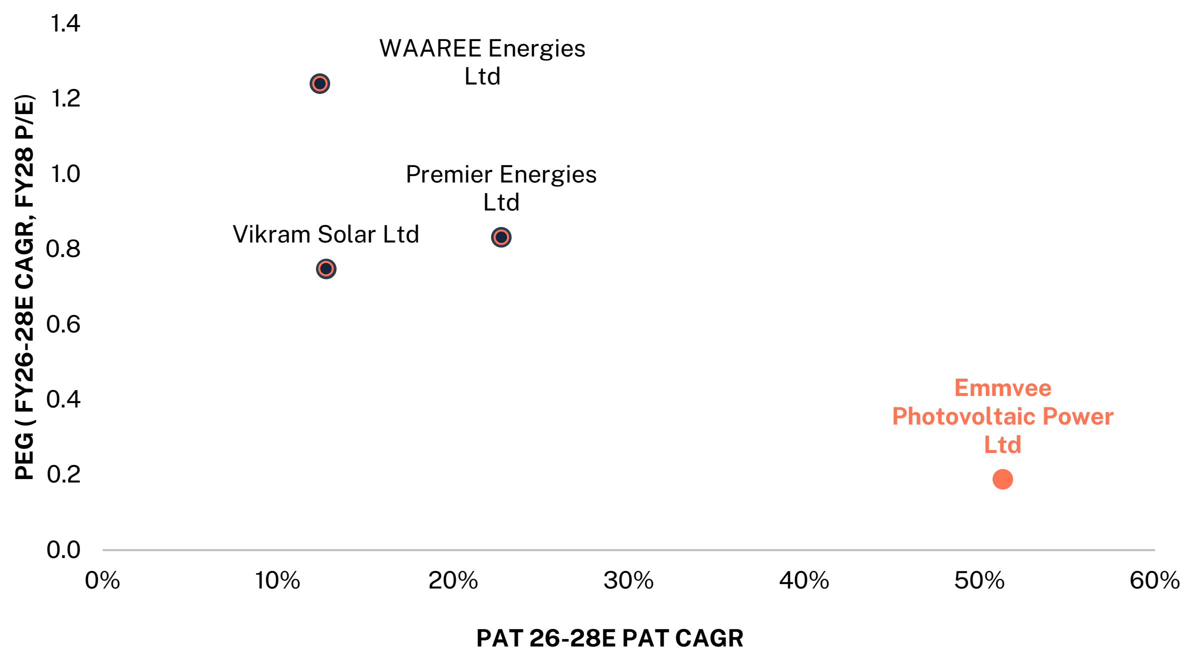
Growth like an integrator, valued like an assembler — room to re-rate

6.0 7.0

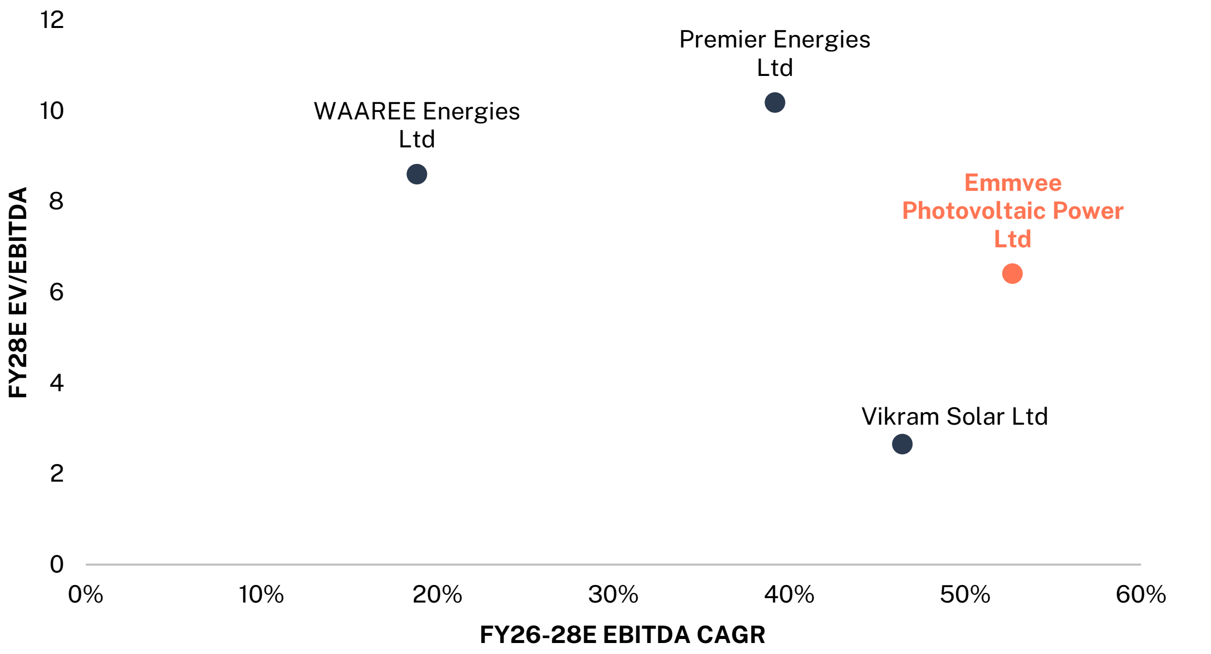
Emmvee offers the most attractive valuation in the group on a growth-adjusted basis, with a ~51% PAT CAGR at ~9x FY28E P/E (PEG ~0.2) and a sector-leading ~53% EBITDA CAGR at just ~6x FY28E EV/EBITDA, both among the lowest in the set. If this best-in-class performance sustains, the valuation leaves clear headroom for re-rating. **Accordingly, we assign a rating of 6.0/7.0.**

- Emmvee offers the highest revenue growth in the set, with a ~61% FY26–28E CAGR versus the ~44% average, driven entirely by its core module-and-cell franchise rather than the multi-business diversification pursued by several peers. This focused model provides a cleaner and more predictable earnings base, with lower execution complexity.
- Margins are supported by deepening backward integration from the new 6 GW module-cell facility, a rising DCR mix and operating leverage, offsetting cyclical pressures from falling global prices and raw-material volatility. These drivers sustain best-in-class EBITDA margins and support a ~53% EBITDA CAGR over FY26–28E, translating into a ~51% PAT CAGR alongside disciplined capital allocation.
- Yet, at ~6x FY28E EV/EBITDA, among the lowest in the group despite sector-leading growth, Emmvee trades below what its earnings profile warrants, leaving room to rerate.

On a growth-adjusted basis, Emmvee offers the most attractive valuation in the group, with a lower PEG than peers despite sector-leading earnings growth



Emmvee also trades at one of the lowest FY28E EV/EBITDA multiples in the set, with its quality and growth yet to be fully reflected in the valuation



Source: Bloomberg, Midas Research

3.4 - Capturing Return Profiles

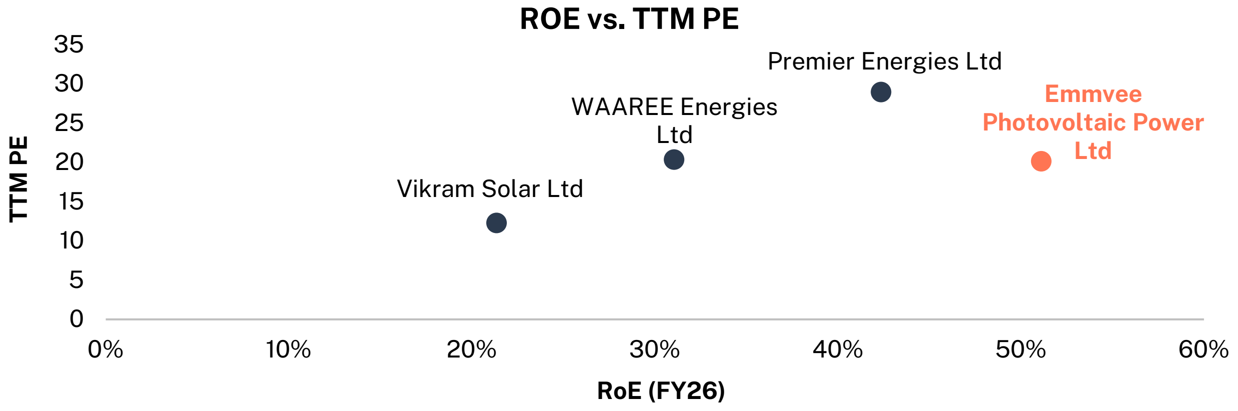
Best-in-class return ratios; factored in premium valuations

5.0 7.0

Emmvee posts the set's best-in-class, margin-led returns, with a sector-leading ~51% RoE and ~43% RoCE, driven by a superior ~21% net margin rather than leverage, yet trades at an undemanding EV/EBITDA relative to its profile. The lone soft spot is cash conversion: FY26 CFO/PAT of ~0.2x is well below peers, as the capacity ramp-up absorbs working capital, a drag expected to ease as growth matures. Accordingly, we assign a rating of **5.0/7.0.**

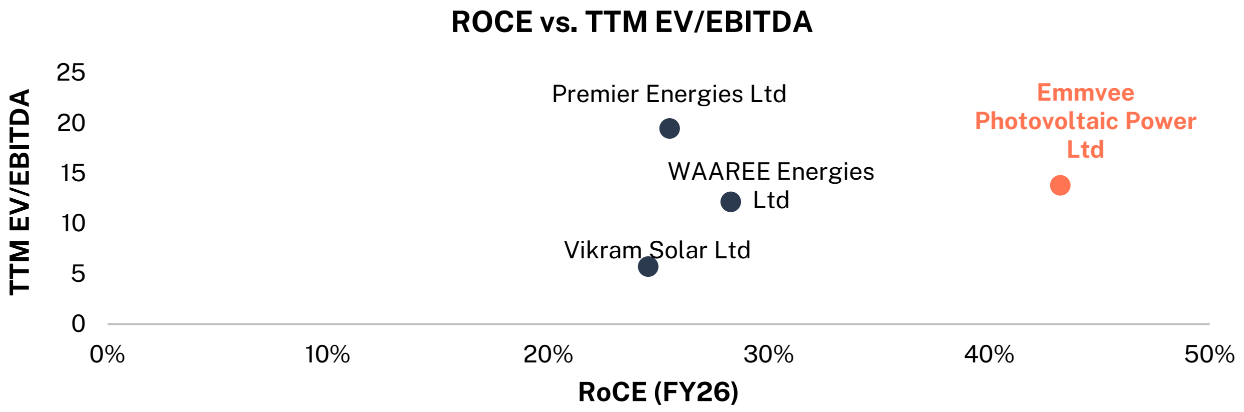
Multiple levers like margin expansion, balance sheet deleveraging and working capital optimization drive return ratio expansion

Sector-leading ~51% RoE, yet trades at only a mid-pack TTM P/E

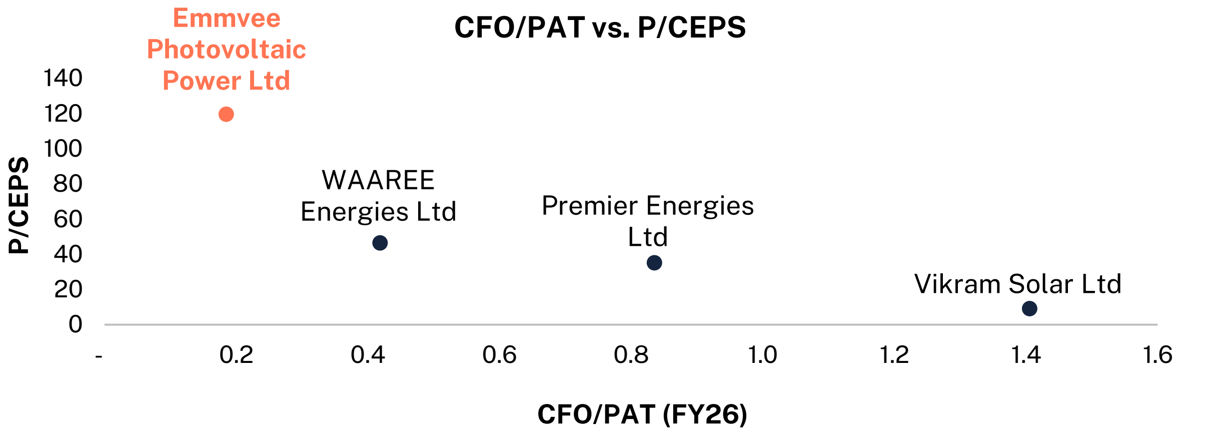


- Emmvee's return profile has improved sharply into best-in-class territory, with FY26 RoE of ~51%, highest among listed solar-manufacturing peers as PAT scaled from ~Rs. 29 cr in FY24 to ~Rs. 1,082 cr in FY26, led by structural margin expansion & post-IPO deleveraging.
- Critically, these returns are margin-led rather than leverage-led. In a DuPont split, Emmvee's ~21% net margin is well above Waaree (~15%) and Vikram (~10%), while asset turnover (~1.0x) and leverage (~2.3x) remain broadly in line with peers. This operational strength carries through to capital efficiency, with sector-leading RoCE of ~43% in FY26, confirming that returns are earned on capital employed rather than amplified by debt.
- Yet despite ranking among the best return-generating businesses in the listed solar space, Emmvee continues to trade at an undemanding EV/EBITDA relative to that return profile.
- Cash conversion remains the key weak spot, with FY26 CFO/PAT of ~0.2x versus ~1.0x-plus for peers, reflecting the working-capital build as receivables and inventory rise alongside the steep capacity ramp-up. This should ease as growth matures.

Best-in-class ~43% RoCE at an undemanding EV/EBITDA



Cash conversion is the lone soft spot as the capacity ramp-up absorbs working capital



Source: Bloomberg, Midas Research

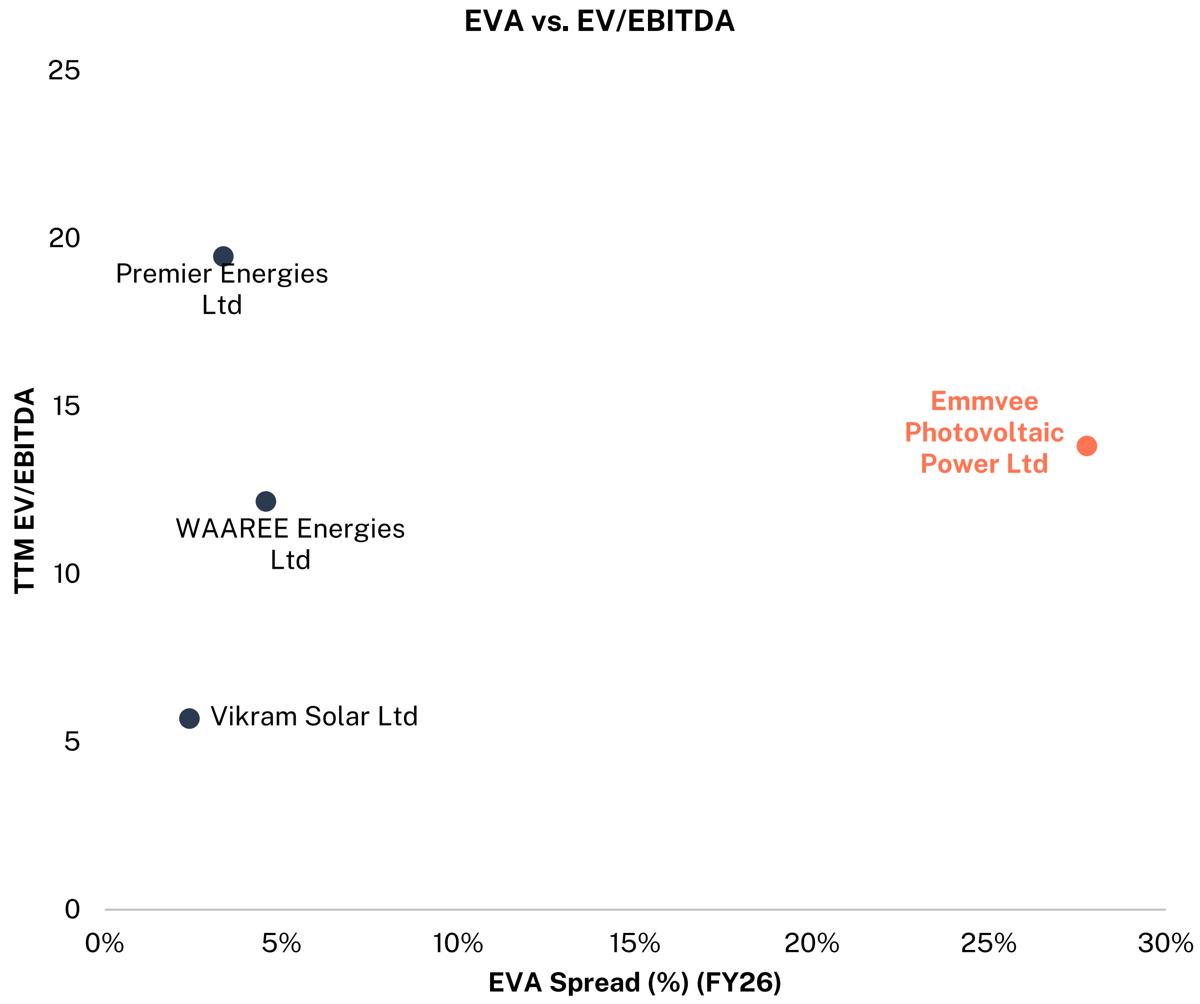
3.5 - Reflecting EVA

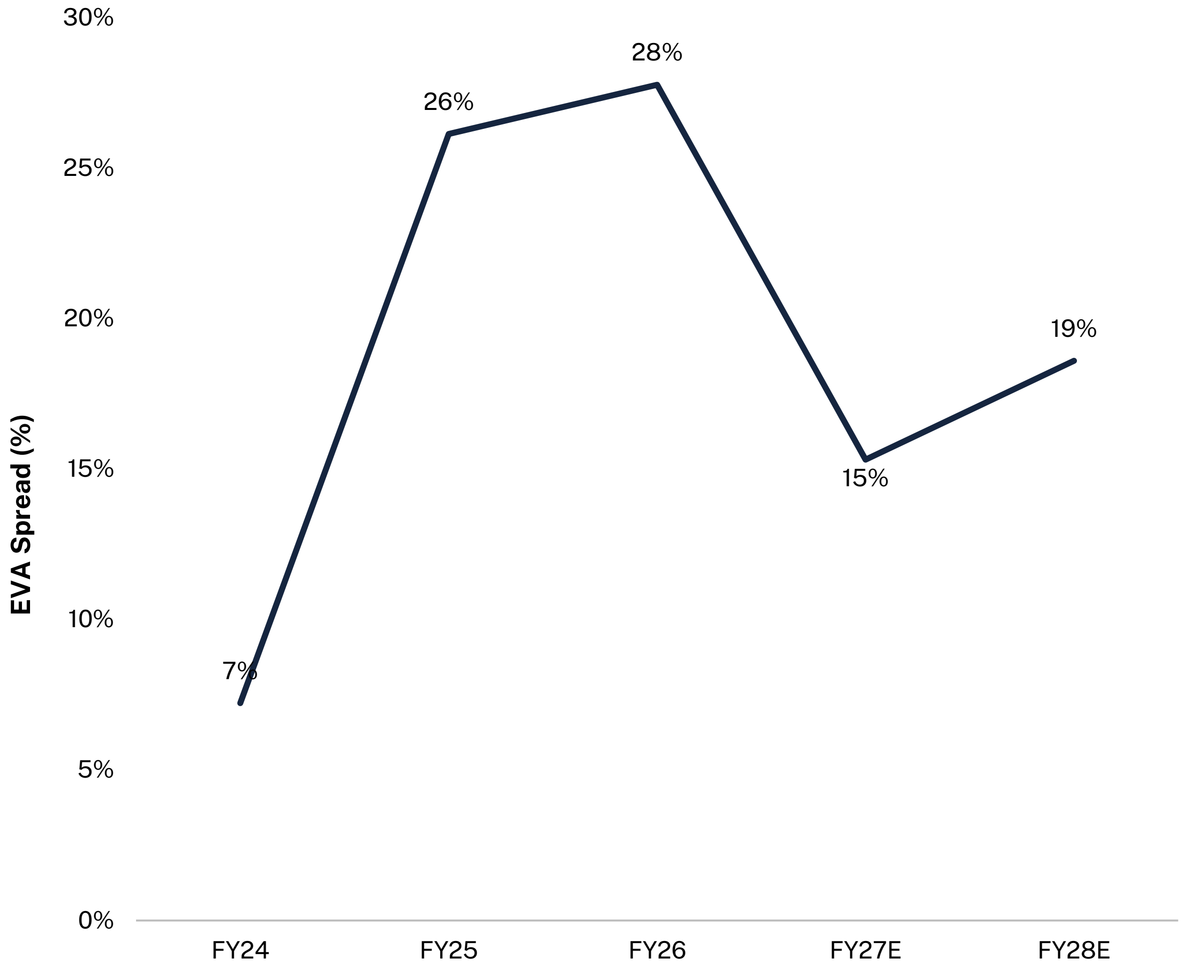
Economic value addition

6.0	7.0

Emmvee generates a positive, peer-leading EVA spread, returns comfortably above its cost of capital, rising from ~7% (FY24) to a peak of ~28% (FY26). It is expected to moderate to ~15% (FY27E) as over Rs.5,500 cr 6 GW expansion, part-funded by debt, temporarily inflates invested capital and suppresses RoIC. However, led by the earnings ramp in FY28E, it is expected to recover to ~19%. This is a timing effect, not value erosion, the spread stays firmly positive and above peers **Accordingly, we assign a rating of 6.0/7.0.**

A peer-leading EVA spread, moderating through the investment phase





Source: Bloomberg, Midas Research

Valuation Rationale

Conclusion

Quantitative Evidence
STRONGEST VALUATION ARGUMENT

- **Best-in-class returns at discounted valuations:** A best-in-class ~51% RoE and ~43% RoCE, driven by margins rather than leverage, support a structural re-rating, yet the stock trades at just ~6x FY28E EV/EBITDA.
- **Growth is cheap on every lens:** Revenue and PAT CAGRs of ~61%/51% through FY28E outpace averages of ~44%/16%, translating into a ~0.2 PEG and highlighting the market's underappreciation of Emmvee's growth.
- **Structurally driven margins, not cyclical tailwinds:** A sector-topping ~34% EBITDA margin in FY26 (~1.4x the ~24% average) is supported by deepening backward integration, an improving DCR mix, and operating leverage, creating a durable EBITDA/W spread rather than a cyclical one. This supports a premium exit multiple. We value Emmvee at ~8x FY28E EV/EBITDA, implying a target price of Rs. 444 (~35% upside).

Qualitative Evidence
SUPPORTING ARGUMENT

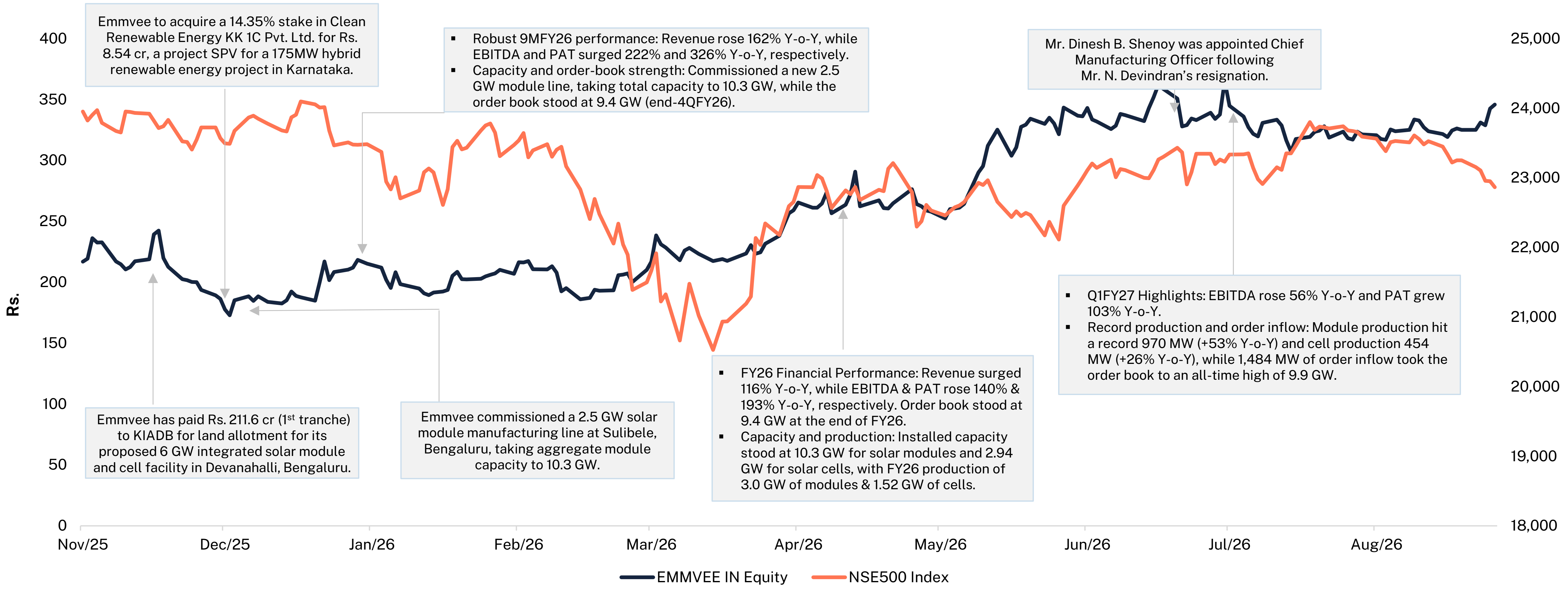
- **Policy pulls demand through domestic cells:** ALMM-II channels module demand toward domestically produced cells, while ALMM-III extends the moat upstream to ingots and wafers, creating a multi-year, government-backed runway for an already-integrated player like Emmvee.
- **Realization defended by design:** Backward integration, a rising DCR mix (>50% of Q1FY27 sales), pass-through contracts and technology-led cost cuts support per-watt spreads even as headline prices and input costs fluctuate.
- **A visible order book cements the growth outlook:** A ~9.9 GW order book, ~70% executable over 12–18 months, makes capacity rather than demand the binding constraint, allowing the planned 6 GW cell-module expansion to translate into contracted revenue. A focus on C&I and utility segments, backed by strong relationships with marquee developers, further supports a healthy ramp-up of incoming capacity.

Valuation Verdict:

Emmvee earns best-in-class, margin-led returns (~51% RoE, ~43% RoCE) on a sector-topping ~34% EBITDA margin, yet trades at just ~6x FY28E EV/EBITDA and ~0.2 PEG. This valuation gap reflects the disconnect between the quality of its P&L and the multiple the market awards it. Growth is underpinned by a multi-year ALMM runway, integration-led margin strength and a ~9.9 GW order book (~70% executable over 12–18 months), supporting the 6 GW expansion with contracted revenue. As capacity ramps up, utilisation improves, and cash conversion normalises, we expect the multiple to re-rate, with execution as the key monitorable. We initiate with a BUY rating and a Target Price of Rs. 444 (Exit EV/EBITDA of ~8x FY28E EBITDA; 35% upside).

4 - Stock Buzz and Influencing Factors

Noise vs. signal: what really drove the stock?



Near-term performance hinges on the ramp-up and utilisation of Emmvee's 6 GW integrated expansion, sustained enforcement of domestic-content rules (ALMM List-II from June 2026; List-III wafers from 2028) that channel demand to its captive cells, and the durability of the DCR premium supporting margins, alongside normalising cash conversion. Conversely, a narrowing DCR premium as domestic cell capacity ramps up, potential sector oversupply by 2027, MNRE price monitoring and deadline relaxations, global price deflation, and forex and imported-wafer supply-chain volatility could weigh on realisations and sentiment.

Note: Emmvee was listed on November 18, 2025. Thus, there is limited availability of price information for the script.

5.0 - Technical Analysis

Sideways consolidation holding above trendline support

Technical View (Weekly)

Technical View

- Emmvee Photovoltaic Power demonstrated tremendous strength from March to June 2026 before entering a sideways consolidation phase. The overall structure remains bullish, with the stock consistently printing a higher highs and higher lows sequence on the weekly chart.
- The stock is currently holding well above its horizontal trendline support, as well as its **20-Day and 50-Day EMAs**, keeping the broader trend firmly positive.
- The MACD indicator is signaling potential positive momentum for the stock price in the coming week.
- MACD indicator is also suggesting positive movement in stock price in coming week.
- The overall chart structure favors a buy-on-dips approach, backed by strong support in the **305 - 295 zone**. On the flipside, upside momentum may face initial resistance around **375**, followed by the **425 - 440 zone**.

Electrical Equipment	Reco/View	Buy	Last Day Close	Rs. 329

RESEARCH ANALYST
Riches M. Vanara
Riches.v@sparkcapital.in

Source: Trading View, Midas Research
1-Year TP: 1-Year Target Price

Key Risks

Regulatory & policy risk

- Changes in government subsidies, tariffs, import duties, tax benefits or ALMM eligibility could materially impact solar demand, pricing, and Emmvee's competitiveness.
- Delays or changes in government approvals and permits could result in project delays, higher costs and weaker execution.

Capital cost & aggressive bidding risk

- Solar project economics remain sensitive to module, polysilicon, copper & aluminum prices, interest rates, duties, and currency movements.
- Aggressive bidding has kept tariffs low, leaving limited room for cost overruns and potentially pressuring project returns.

Transmission & grid infrastructure risk

- Large solar projects are often located in remote areas, creating dependence on adequate transmission infrastructure for power evacuation.
- Rising renewable penetration and solar intermittency could increase grid-balancing, storage & forecasting requirements, raising operating and compliance costs.

Financial Summary

All figures in Rs. cr

- Over FY26–28E, revenue is expected to grow at ~61% CAGR, from Rs. 5,050 cr in FY26 to Rs.13,037 cr in FY28E, led by volume ramp-up from the 6 GW integrated cell-module expansion, a rising DCR mix and steady conversion of order book under Emmvee's "build-then-book" model.
- EBITDA is likely to witness ~53% CAGR to Rs.4,044 cr, although the margin normalises from 34% in FY26 to ~30% by FY28E as falling global prices pressures ASPs. However, backward integration, rising DCR mix and operating leverage should cushion the decline.
- PAT is expected to compound at ~51% CAGR to Rs.2,477 cr, incorporating the increase in depreciation costs to Rs. 879 cr and increased finance costs to Rs. 251 cr by FY28, as the company undertakes a large capex worth ~Rs. 5,500 cr to build 6 GW integrated module-cell capacity in FY27.

- Cash generation should improve markedly over FY26–28E as the capacity ramp-up matures, pre-tax CFO/EBITDA is expected to recover from a subdued ~0.2x in FY26 to ~0.8x by FY28E, while the working-capital cycle normalises from ~113 days to ~100 days as inventory converts into the order book.
- The balance sheet re-gears modestly to fund the next leg, with net debt/equity moving from net cash (~0.0x) in FY26 to ~0.3x by FY28E and net debt rising to Rs.3,283 cr, comfortably serviced by interest cover of over 10x.
- Utilisation-led operating leverage and a richer DCR/cell mix should keep returns best-in-class through the investment phase, with RoE and RoCE at ~40% and ~34%, respectively, by FY28E, well ahead of peers despite moderating from their FY26 peaks.

Particulars (Rs.cr)	FY24	FY25	FY26	FY27E	FY28E
Profit And Loss					
Revenue	952	2336	5050	7760	13037
Gross Profit	197	933	2274	2937	4944
EBITDA	120	722	1734	2326	4044
Depreciation	42	156	296	497	879
EBIT	79	566	1439	1828	3166
Other Income	3	25	54	78	143
Finance Costs	34	108	155	174	251
Profit Before Tax	48	483	1338	1732	3057
PAT	29	369	1082	1403	2477
EPS	0.5	6	17	20	36
Balance Sheet					
Net Worth	169	537	3695	5029	7436
Total Debt	1447	2065	360	3686	2235
Other liabilities and provisions	574	1312	1717	1892	2609
Total Net worth and liabilities	2190	3914	5772	10607	12280
Gross Block	319	2134	2929	7929	8929
Net Block	279	1924	2456	6997	7154
Capital Work-in-progress	646	13	10	10	10
Intangible assets under development	2	1	1	1	1
Investments	0	257	57	57	57
Cash and Bank Balances	521	324	354	404	243
Net Working Capital	743	1394	2894	3139	4814
Total Assets	2190	3914	5772	10607	12280
Capital Employed	1616	2602	4055	8715	9671
Invested Capital (CE-Cash-CWIP)	449	2265	3691	8301	9417
Net Debt	926	1741	6	3283	1991
Cash Flows					
Cash flow from Operations (Pre-tax)	250	690	391	2298	3193
Cash flow from Operations (Post-tax)	234	625	200	1969	2612
Capex	-673	-988	-653	-5000	-1000
Free Cashflows	-439	-363	-453	-3031	1612
Cash Flow from Investments	-1000	-986	-304	-5000	-1000
Cash Flow from Financing	894	397	130	3083	-1772
Total Cash and Liquid Investments	182	219	243	293	132

Particulars	FY24	FY25	FY26	FY27E	FY28E
Growth Ratios (%)					
Revenue	54%	145%	116%	54%	68%
EBITDA	114%	499%	140%	34%	74%
PAT	222%	1177%	193%	30%	77%
Margin Ratios					
Gross	21%	40%	45%	38%	38%
EBITDA	13%	31%	34%	30%	31%
PAT	3%	16%	21%	18%	19%
Performance Ratios					
Pre-tax CFO/EBITDA	2.1	1.0	0.2	1.0	0.8
CFO/IC (%)	52%	28%	5%	24%	28%
RoE (%)	19%	105%	51%	32%	40%
RoCE (%)	7%	27%	43%	29%	34%
Fixed Asset Turnover	3.0	1.9	2.0	1.4	1.5
Total Asset Turnover	0.6	0.8	1.0	0.9	1.1
Financial Stability Ratios					
Net Debt to Equity (x)	5.5	3.2	0.0	0.7	0.3
Net Debt to EBITDA (x)	7.7	2.4	0.0	1.4	0.5
Interest Cover (x)	2.3	5.2	9.3	10.5	12.6
Working Capital Days	85	95	113	105	100
Valuation Metrics					
Fully Dil. Shares (cr)	59.4	59.4	63.0	69.2	69.2
Market Cap (Rs. cr)			22746		
P/E (x)	-	53	19	16	9
P/CFO (x)	97	36	114	12	9
EV (Rs cr) (ex -CWIP)			22752		
EV / EBITDA	-	34	13	11	6
EV / CFO	101	39	114	13	9
FCF Yield	-2%	-2%	-2%	-13%	7%
Price to BV	116	36	6	5	3
Cash as a % of CE	32%	12%	9%	5%	3%

Source: Company, Midas Research

Future Lens

Emmvee Photovoltaic Power Ltd. is India's leading pure-play integrated solar cell-and-module manufacturer, built around a fully in-house, 100% TOPCon platform and a technology edge strengthened through its R&D partnership with Germany's Fraunhofer ISE. This integration allows it to control the scarce, higher-value cell manufacturing step rather than rely on imported cells.

We believe the core growth engine remains intact: as India's ALMM localisation moves upstream — cells from 2026, and wafers and ingots from 2028 — demand is structurally directed toward integrated domestic players, with a ~9.9 GW order book and rising DCR mix providing multi-year visibility. Capacity scales decisively, with module capacity rising to 16.3 GW and cell capacity nearly 3x to 8.9 GW. Emmvee's planned 9 GW ingot-and-wafer facility, commissioning in two phases across FY29 and FY30, extends backward integration to the deepest and most protected tier of the value chain, creating a larger captive opportunity and supporting a ~42% revenue and ~33% PAT CAGR over FY26–30E.

Underpinning this outlook is a net-cash balance sheet, increasingly self-funded cash flows and best-in-class ~34% EBITDA margins, positioning Emmvee as a compelling structural compounder in India's solar-manufacturing sector.

Entry at **Rs. 329** @ 6x FY28E EV/EBITDA

Exit multiple at **8x** on FY30E EBITDA

+

Cumulative Dividend of **Rs. 4/share**

Total returns **80%**

Sensitivity of 3-yr TP

Sensitivity Analysis	Enterprise Value	Dividend	Target price	Upside
7x	37,605	4	510	57%
8x	42,901	4	587	80%
9x	48,198	4	663	103%

Glossary

ALMM	Approved List of Models and Manufacturers
C&I	Commercial and Industrial
DCR	Domestic Content Requirement
TopCon	Tunnel Oxide Passivated Contact
Mono-PERC	Monocrystalline Passivated Emitter and Rear Contact
AIDC	Agriculture Infrastructure and Development Cess
PV	Photovoltaic
ASP	Average Selling Price
ALCM	Approved List of Cell Manufacturers
PVEL	Kiwa PV Evolution Labs Certificate
IPP	Independent Power Producer
EV	Enterprise Value
FCF	Free Cash Flow
P/E	Price to Earnings
PBT	Profit Before Tax
RoE	Return on Equity

RoCE	Return on Capital Employed
RoIC	Return on Invested Capital
R&D	Research and Development
PBT	Profits Before Tax
ROA	Return on Assets
DTL	Deferred Tax Liabilities
CAPEX	Capital Expenditure
CF	Cash Flow
Q-o-Q	Quarter on Quarter
RM	Raw Material
CoGS	Cost of Goods Sold
Cr	Crores
DCF	Discounted Cash Flow

Disclaimer (1/2)

Absolute Rating Interpretation

BUY	Stock expected to provide positive returns of >15% over a 1-year horizon	**REDUCE**	Stock expected to provide returns of <5% – -10% over a 1-year horizon
ACCUMULATE	Stock expected to provide positive returns of >5% – <15% over a 1-year horizon	**SELL**	Stock expected to fall >10% over a 1-year horizon
The terms defined above are applicable to fundamental research reports published by the Research Analyst. For technical research reports, the expected (target) price is given in the report along with the time period within which it can be achieved. For Momentum Ideas the expected timeline to achieve the price target would be upto 3 months from the date of publication of the research report.			

Spark PWM Private Limited **("Spark PWM")** holding SEBI Research Analyst Registration No.: INH200008954 and its affiliates are engaged in the business of investment banking, structured finance, asset management and private wealth management. Spark PWM is also registered with SEBI as a Stock Broker, Portfolio Manager, Depository Participant, Investment Adviser and is also a Mutual Fund Distributor registered with the Association of Mutual Funds in India (AMFI) and is also registered with Association of Portfolio Managers in India as a distributor of portfolio management products. Spark PWM is also Investment Manager to a Category I Alternative Investment Fund.

Spark PWM's affiliates include (1) Spark Capital Advisors (India) Private Limited which is registered with SEBI as Category I Merchant Banker, (2) Spark Asia Impact Private Limited (formerly known as Spark Alternative Asset Advisors India Private Limited) which is an investment manager to a Category II Alternative Investment Fund (3) Spark Asia Impact Managers Private Limited (formerly known as Spark Fund Managers Private Limited) which is registered with SEBI as a Portfolio Manager and (4) Spark Fund Advisors LLP which is an investment manager to a Category II and a Category III Alternative Investment Fund, (5) Spark Financial Holdings Private Limited and (6) Spark Global PWM Private Limited, a Category 4 DIFC registered company engaged in providing financial services.

The information and opinion expressed in this research report do not constitute an offer or an invitation to make an offer, to buy or sell any securities. The securities quoted in this document are for illustration only and are not recommendatory. This research report is provided by Spark PWM on a strictly confidential basis for the exclusive use of the recipient and has been obtained from published information and other sources, which Spark PWM or its affiliates consider to be reliable. None of the research analysts of Spark PWM accepts any liability or responsibility whatsoever for the accuracy or completeness of any such information. All estimates, expressions of opinion and other subjective judgments contained herein are made as of the date of this research report.

This research report does not claim to contain all information that an investor / potential investor may require for the purpose of making an investment. The past performance of a security, product or portfolio does not in any manner indicate the surety of performance in future. Registration granted by SEBI, membership of a SEBI recognized supervisory body (if any) and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

This research report also does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Spark PWM also puts together Technical Analysis, and each recipient of this report must note that the views of the Technical Analyst is always based on short term market variables and will be materially different from the views of the other sector/fundamental analyst in Spark PWM, whose research reports are based on fundamental analysis of the subject company. Each recipient of this research report should make such assessment as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this research report (including the merits and risks involved) and should consult their own advisors. This research report is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. The price and value of the investments referred to in this research report and the income from them may go up or down, and investors may realize losses on their investments. Spark PWM does not provide tax advise to its clients, and all investors are strongly advised to consult with their tax advisers regarding any potential investment. The material is based on information that we consider reliable and may be obtained from third-parties or derived / deducted on the basis of such information. Spark PWM does not represent that such information is accurate or complete.

This research report is not directed or intended for distribution or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject Spark PWM and/or its affiliates to obtain any registration or licensing requirement within such jurisdiction. The research analyst preparing this research report is not registered as a broker-dealer in the United States and, therefore, is not subject to US Rules regarding the preparation of research reports. The Research Analysts contributing to this report are residents outside the United States and are not associates, employees, registered or qualified as research analysts with FINRA or a US-regulated broker dealer. Recipients of this material should keep themselves informed about any such restrictions. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. This material should not be construed as an offer to sell or the solicitation of an offer to buy any securities in any jurisdiction where such an offer or solicitation would be illegal. Recipients shall be solely liable for any liability incurred by them in this regard and will indemnify Spark PWM and/or its affiliates for any liability it may incur in this respect.

Securities markets may be subject to significantly higher risks, and in particular, the political and economic environment, company practices and market prices and volumes may be subject to significant variations. The ability to assess such risks may also be limited due to significantly lower information quantity and quality. Investment in securities market are subject to market risks. Read all the related documents carefully before investing. By accepting this document, you agree to be bound by all the provisions as may be applicable pursuant to it. Nothing contained herein should be relied upon as a promise, representation or an indication of future performance. Certain statements made herein may not be based on historical information or facts and may appear to be "Forward Looking Statements", including those relating to general business plans, future financial condition and growth prospects. The actual results may differ materially from any "Forward-Looking statements" due to a number of factors, including socio, political, competitive environment, force majeure etc. Spark PWM makes no representation or warranty, express or implied, as to the accuracy, completeness or fairness of the information and opinions contained in this research report.

While we would endeavour to update the information herein on a reasonable basis, Spark PWM is under no obligation to update the information. Also, there may be regulatory, compliance or other reasons that prevent Spark PWM from doing so. Neither Spark PWM nor its affiliates or their respective directors, employees, agents or representatives shall be responsible or liable in any manner, directly or indirectly, for views or opinions expressed in this report or the contents or any errors or discrepancies herein or for any decisions or actions taken in reliance on the report or the inability to use or access our service in this report or for any loss or damages whether direct or indirect, incidental, special or consequential including without limitation loss of revenue or profits that may arise from or in connection with the use of or reliance on this report. Opinions expressed herein are our current opinion as of the date of appearing on this material only.

Spark PWM and/or its affiliates and/or employees may have interests/positions, financial or otherwise, in the securities mentioned in this report. To enhance transparency, Spark PWM has incorporated disclosure of interest statement in this research report. This should, however, not be treated as an endorsement of views expressed in this report.

Spark Capital Advisors (India) Private Limited (holding company of Spark PWM) has gone through a process of reorganisation and demerged its institutional equities business (stock broking license and research analyst license) to Spark Institutional Equities Private Limited (Resultant Company) through a Composite Scheme of Demerger ("Scheme"). Further the shares of SIE has been bought by Avendus Capital Private Limited with effect from December 20, 2022.

Disclaimer (2/2)

Disclosure of Interest & Material Conflict of Interest Statement

DISCLOSURE OF INTEREST

Name of the Research Analyst (s): Prasad U. Hase

The research analyst(s) hereby certifies that opinion expressed in this research report accurately reflects his or her personal opinion about the subject securities and no part of his or her compensation was or will be directly or indirectly related to the specific recommendation and opinion expressed in this research report.

Sr No.	Particulars	Yes/No
1.	Research Analyst or his/her relative's has financial interest in the subject company(ies)	No
2.	Research Analyst or his/her relative has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of the research report	No
3.	Research Analyst or his/her relative has any other material conflict of interest at the time of publication of the research report	No
4.	Research Analyst has served as an officer, director or employee of the subject company(ies)	No
5.	Research Analyst has been engaged in market making activity for the subject company(ies)	No

- Spark PWM may have financial interest in the subject company(ies).
- Spark PWM may have actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of the research report.
- Spark PWM may have any other material conflict of interest at the time of publication of the research report.
- Spark PWM may have received any compensation from the subject company in the past twelve months.
- Spark PWM may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months.
- Spark PWM may have received any compensation or other benefits from the subject company or third party in connection with the research report.
- Spark PWM may have managed or co-managed public offering of securities for the subject company in the past twelve months.
- Spark PWM may have been engaged in market making activity for the subject company(ies).

Since Spark PWM and its associates are engaged in various businesses in the financial services industry, they may have financial interest or may have received compensation for investment banking or merchant banking or brokerage services or for any other product or services of whatsoever nature from the subject company(ies) in the past twelve months or associates of Spark PWM may have managed or co-managed public offering of securities in the past twelve months of the subject company(ies) whose securities are discussed herein.

Associates of Spark PWM may have actual/beneficial ownership of 1% or more and/or other material conflict of interest in the securities discussed herein.

Spark PWM and/or its affiliates and/or employees, or their relative(s) may have a financial interest in the subject company. Spark PWM and/or its affiliates may have actual/beneficial ownership of one per cent or more securities of the subject company, at the end of the month immediately preceding the date of publication of the research report. Spark PWM and/or its associates and/or its employees have been engaged in market making activity for the subject company.

In the last twelve month period ending on the last day of the month immediately preceding the date of publication of the research report, Spark PWM and/or its affiliates and/or employees Research Analyst(s) may have;

- managed/co-managed public offering of securities for the subject company;
- received compensation for investment banking/merchant banking/brokerage services/other products/ services of the group from the subject company of this research report;
- received any compensation or other benefit from the subject company or third party in connection with the research report;
- provided services to the subject company as a client under the various services provided by Spark PWM or its affiliates.

However, the above shall have no bearing on the specific recommendation made by the research analyst(s), as the recommendation made by the research analyst(s) are independent of the view of the affiliates of Spark PWM. No part of the research analyst's compensation was, is, or will be related, directly or indirectly, to the specific recommendations or views as expressed in this report.

Research reports are not exchange traded products, and hence disputes relating to research activities of Spark PWM do not have access to exchange investor redressal or arbitration mechanism. Spark PWM also hereby declares that its activities were neither suspended nor Spark PWM has defaulted with any Stock Exchange authority with whom Spark PWM is registered in the last five years. We have not been debarred from doing business by any Stock Exchange/SEBI or any other competent authorities, nor has our certificate of registration been cancelled by SEBI at any point of time.

Certification by Each of the Authors of the Report

The research analyst certifies that the views expressed in this research report are a representation of the Analyst's personal opinions on the stock or sector as covered and reported. The Analyst is principally responsible for the preparation of this research report and does not have any material conflict of interest at the time of publication of this report.

A graph of the daily closing price of securities available is at https://economictimes.indiatimes.com/markets/stocks/stock-quotes (Choose a company from the list on the browser and select the "5 years" option from the drop-down available in the price chart).

Spark PWM Private Limited. (Registered Office: No. 1, 3rd Floor, First Crescent Park Road, Gandhi Nagar, Adyar, Chennai 600 020; CIN: U66190TN2012PTC086696; Telephone No.: +91 44 69250000; Website: www.sparkcapital.in; Correspondence Address: Solitaire Corporate Park, Unit 1252 , Building No. 12, Andheri Kurla Road, Chakala, Andheri (East), Mumbai 400093; Telephone No: +91 22 62916700; SEBI Registration: (Stock Broker: INZ000285135; Portfolio Manager: INP200007274; Research Analyst: INH200008954; BSE RA Enlistment No- 5503; Investment Adviser: INA000021067; BSE IA Enlistment No. 2390; Depository Participant: IN-DP-757-2023); AMFI – Registered Mutual Fund Distributor: ARN 86685. APMI – Registered PMS Distributor (APRN00662). Compliance and Grievance Officer details: Mr. Anupam Mohaney: +91 22 62916700. RA Grievance Redressal Matrix & Research T & C

Spark PWM Private Limited does not use any Artificial Intelligence tools to provide research services.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Our Offices

Chennai
No. 1, 3rd Floor,
First Crescent Park Road,
Gandhi Nagar,
Adyar,
Chennai – 600 020

Mumbai
Unit – 301, 302, Windsor House,
2, Kolivery Village,
MMRDA Area, Kalina,
Santacruz East,
Mumbai – 400 098

11th floor, C Wing, ONE BKC,
Unit Nos. 1116,
Bandra Kurla Complex,
Bandra East,
Mumbai – 400 051

Delhi
No. 23, 1st Floor,
Community Centre,
Basant Lok,
Vasant Vihar,
New Delhi – 110 057

Bengaluru
No. 2, 3rd Floor,
Prestige
Emerald,
Lavelle Road,
Bengaluru – 560 001

Hyderabad
No. 25 & 42, 3rd Floor,
Lumbini Avenue,
Near Preston Prime Mall
Main Road, Gachibowli,
Hyderabad – 500 032

Pune
No. 7/352 1st Floor,
Elbee House,
Boat Club Road,
Sangamvadi,
Pune – 411 001

Ahmedabad
No. 409, 4th Floor,
Venus Amadeus,
Near Jodhpur Cross Road,
Satellite,
Ahmedabad – 380 015

Kolkata
No. 9A-1 & 9B-1,
9th Floor,
No. 95A,
Park Street,
Kolkata – 700 016

Kochi
No.1285 F1, Ground floor,
The Quadrant, MP Pylee Road,
Jawahar Nagar Avenue,
Kadavanthra P O,
Ernakulam – 682 020

Thiruvananthapuram
2nd Floor,
Mankulangara Tower,
Kuravankonam,
Pattom P.O.,
Thiruvananthapuram - 695004

Lucknow
Unit No.6, 3rd Floor
Marigold Building,
Sapru Marg Shahnajaf Road,
Hazratfang,
Lucknow – 226 001

Kanpur
Unit No 205, 2nd Floor,
Imperial Square,
16/105,
MG Road,
Kanpur – 208 001

Spark Global PWM Private Limited
Unit number- GV-00-04-03-BC-24, Gate Village Building
04, Dubai International Financial Centre (DIFC), Dubai, UAE