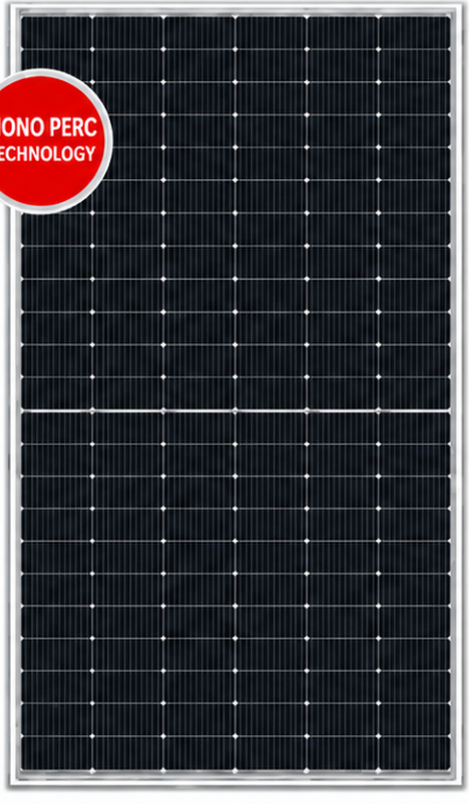
LEVANT

LEVANT MONO PERC SERIES

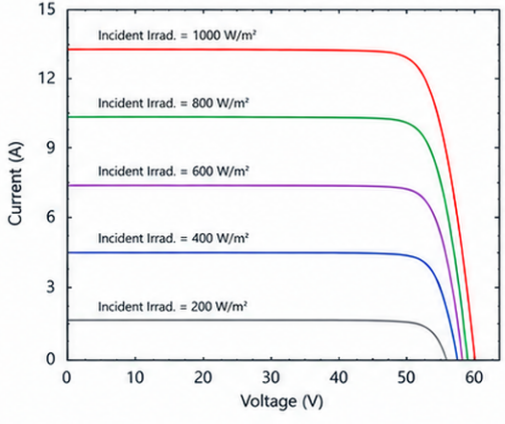
LEVT525 – LEVT550

High Efficiency Monocrystalline Solar Module

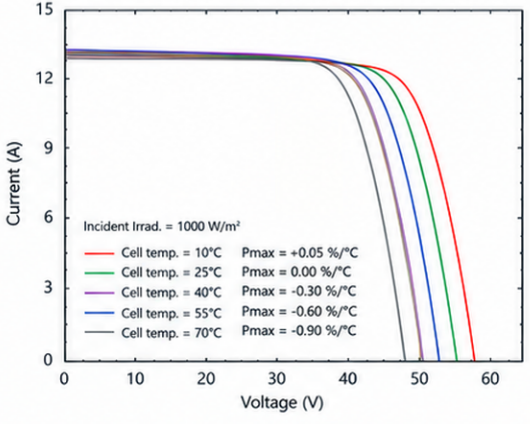
- Higher efficiency with Mono PERC technology
- Excellent performance in low light and high temperature
- Better temperature coefficient
- Higher commercial gains, lower LCOE
- Better weak light performance
- Excellent PID resistance



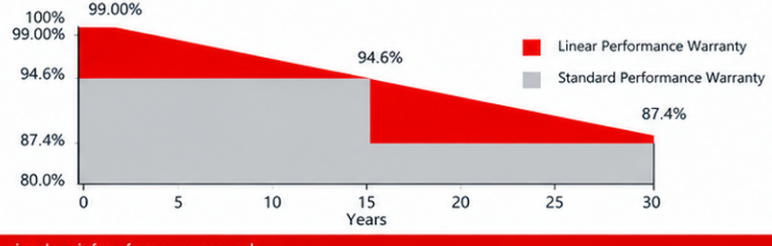
I-V VARIATION WITH IRRADIANCE



I-V VARIATION WITH TEMPERATURE



The graphs are for reference purpose only.
Please consult Levant technical team for further clarifications.



12 Years
Product Warranty

30 Years
Linear Power Output Warranty

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.
- Refer Installation Manual instructions & Levant warranty statement for terms & conditions.
- Levant, reserves the right to change the specifications without prior notice.

LEVANT

LEVANT MONO PERC SERIES

LEVT525 – LEVT550

Framed Dual Glass Bifacial Module

ELECTRICAL CHARACTERISTICS

Models	Pmax (W)		Vmp (V)		Imp (A)		Isc (A)		Voc (V)		Module Eff. (%)
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
LEVT525	525	393.2	41.5	38.79	12.67	10.46	13.06	10.56	50.58	47.75	21.29
LEVT530	530	397.5	41.85	38.68	12.94	10.46	13.39	10.46	50.98	47.75	20.54
LEVT535	535	401.3	41.85	38.68	12.94	10.46	13.39	10.46	51.10	48.16	20.73
LEVT540	540	405.0	41.9	38.79	12.98	10.56	13.46	10.98	51.50	48.76	20.92
LEVT545	545	408.8	42.14	38.17	13.09	10.56	13.58	11.08	51.82	49.24	21.14
LEVT550	550	410.96	42.12	38.07	13.13	10.56	13.66	11.08	52.20	49.72	21.29

*STC: Irradiance 1000 W/m² module temperature 25° C, AM=1.5, NOCT: Irradiance 800 W/m², ambient temperature 20° C, wind speed 1 m/s.
Maximum power tolerance: 0 ~ +3%.
Average power reduction of 4.5% at 200 W/m² as per IEC 60904-1. Measuring Uncertainty ± 3%.

System Voltage	Series Fuse Rating
1500 V	30 A

BI-FACIAL OUTPUT – BACKSIDE POWER GAIN*

Backside Gain		LEVT525	LEVT530	LEVT535	LEVT540	LEVT545	LEVT550
5%	Power Output (W)	550	557	562	567	573	578
	Module Efficiency (%)	22.16%	22.41%	22.64%	22.37%	23.12%	23.35%
10%	Power Output (W)	575	583	589	594	600	606
	Module Efficiency (%)	23.23%	23.46%	23.72%	24.00%	24.26%	24.53%
15%	Power Output (W)	600	609	616	621	628	633
	Module Efficiency (%)	24.30%	24.58%	24.94%	25.21%	25.56%	25.82%

*The bifacial gains are dependant on the power plant design and location.

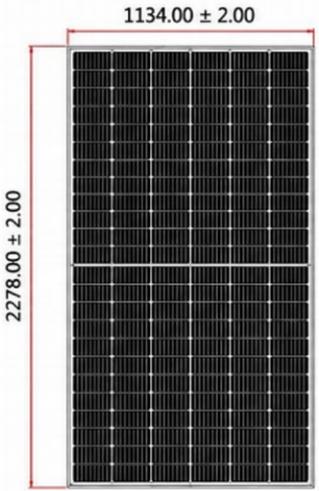
THERMAL CHARACTERISTICS

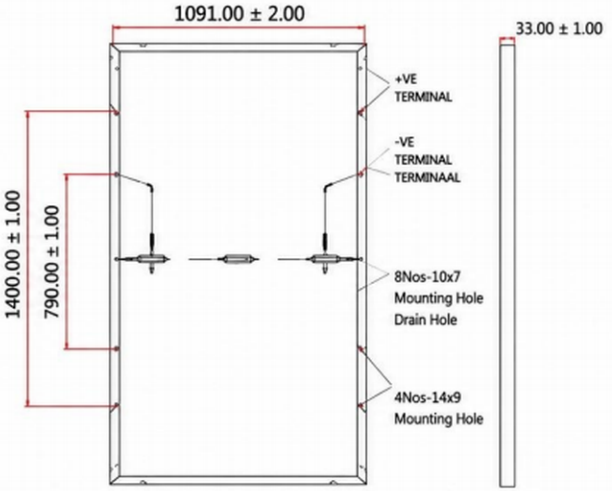
Temperature coefficient of Current (Isc), α (%/°C)	0.046
Temperature coefficient of Voltage (Voc), β (%/°C)	-0.26
Temperature coefficient of Power (Pmax), γ (%/°C)	-0.30
NOCT (°C)	43 ± 2
Operating temperature range (°C)	-40 to 85
Bifaciality Factor (%)	80 ± 10

MECHANICAL CHARACTERISTICS

Length x Width x Thickness (L x W x T)	2278 mm (L) x 1134 mm (W) x 33 mm (T)
Weight	32.5 kgs
Solar Cells per Module (Units) / Arrangement	144 cells (12x6 || 12x6)
Solar Cell Type & Size	M10 / M10R N-type Bifacial
Front Glass (Material / Thickness)	2 mm Low Iron HTAR semi-tempered glass
Back Glass (Material / Thickness)	2 mm Low Iron Printed semi-tempered glass
Encapsulate	PID free & UV Resistant
Junction Box (Protection degree / Material)	IP68 / Weatherproof PPO
Cable & Connector (Protection degree / Type)	IP68 rated / MC4 compatible
Cable cross-section & Length	4 mm² & 500 mm
Frame	Anodized Aluminium Alloy

DESIGN SPECIFICATIONS





LEVANT

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