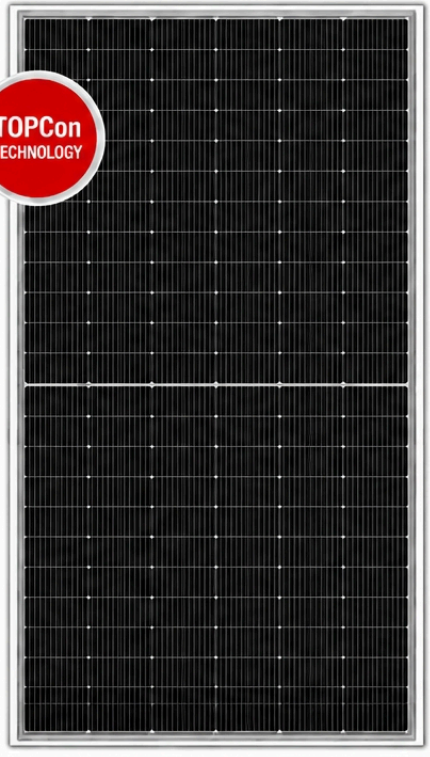
LEVANT TOPCon SERIES

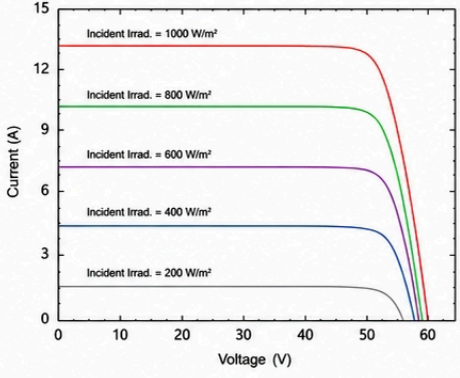
LEVT540 – TO LEVT620

Framed Dual Glass Bifacial Module

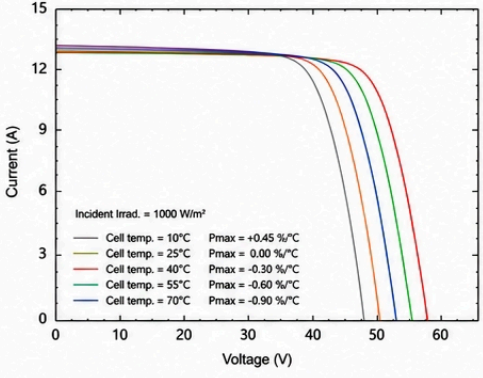


- Highest reliability & enhanced crack tolerance MBB module
- Sustain heavy snow & wind loads (5400 Pa & 2400 Pa)
- Best in class thermal coefficients
- Highest commercial gains, lower LCOE
- Better weak light performance
- Excellent PID resistance

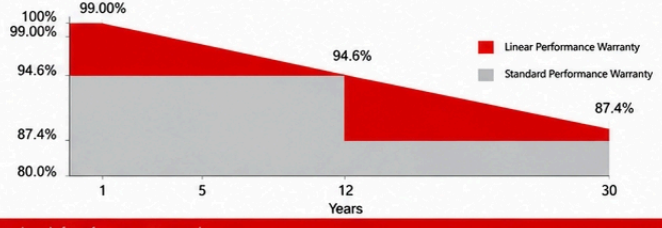
I-V VARIATION WITH IRRADIANCE



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 TOPCon SERIES

LEVT540 – TO LEVT620

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	
LEVT565	565	426.60	43.56	40.50	12.97	10.48	13.75	11.10	15.90	49.31	21.87
LEVT570	570	430.40	43.71	40.74	13.04	10.54	13.81	11.14	16.10	49.50	22.07
LEVT575	575	434.10	43.86	40.88	13.11	10.59	13.87	11.19	16.30	49.69	22.26
LEVT580	580	437.90	44.01	41.01	13.18	10.65	13.93	11.24	16.50	49.88	22.45
LEVT585	585	441.70	44.15	41.15	13.25	10.71	13.99	11.29	16.70	50.07	22.65
LEVT590	590	445.50	44.29	41.28	13.32	10.76	14.05	11.34	16.90	50.26	22.84
LEVT595	595	449.20	44.44	41.41	13.39	10.82	14.11	11.39	17.10	50.45	23.03
LEVT600	600	453.00	44.58	41.55	13.45	10.88	14.17	11.44	17.30	50.64	23.23

*Standard Test Conditions (STC) – 1000 W/m² irradiance, Air Mass 1.5 and 25°C cell temperature.
Nominal Operating Cell Temperature (NOCT) – 800 W/m² irradiance, Air Mass 1.5, Ambient temperature 20°C and Wind speed 1 m/s.
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		LEVT540	LEVT565	LEVT570	LEVT575	LEVT580	LEVT590	LEVT605	LEVT610	LEVT615	LEVT620
15%	Power Output (W)	621	644	650	651	679	690	696	702	708	714
	Module Efficiency (%)	24.04%	24.93%	25.15%	25.38%	26.27%	26.71%	26.94%	27.18%	27.41%	27.65%
20%	Power Output (W)	648	672	678	680	696	708	720	732	738	744
	Module Efficiency (%)	25.08%	25.99%	26.24%	26.48%	26.71%	27.38%	28.11%	28.34%	28.58%	28.81%
25%	Power Output (W)	675	700	706	725	738	750	757	763	769	775
	Module Efficiency (%)	26.12%	27.06%	27.34%	27.51%	28.55%	29.04%	29.28%	29.52%	29.75%	29.99%
30%	Power Output (W)	702	728	735	754	767	767	787	793	800	806
	Module Efficiency (%)	27.16%	28.12%	28.43%	28.69%	29.19%	29.60%	30.20%	30.47%	30.91%	31.14%

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

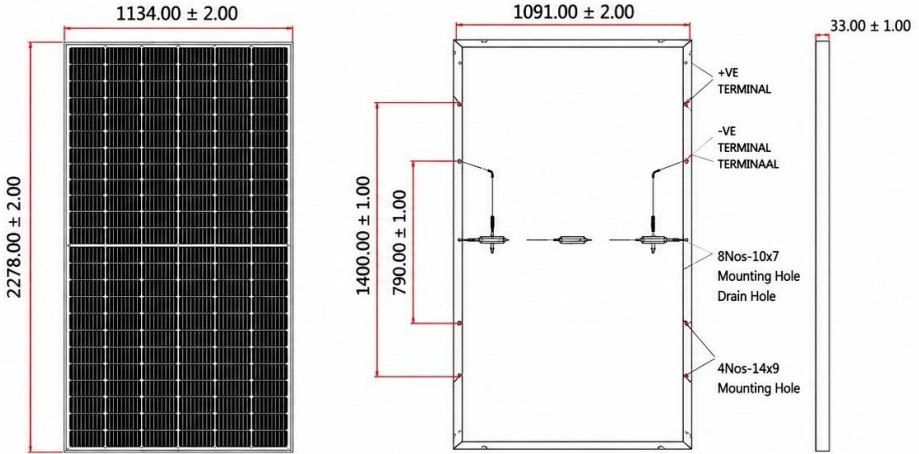
THERMAL CHARACTERISTICS

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 Solar Pvt. Ltd.

www.levantsolar.com

info@levantsolar.com

Authorised Partner / Distributor