



KEY FEATURES

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4 Busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



IP68 junction box for long-term weather endurance.



Heavy snow load up to 5400 Pa. Wind load upto 2400Pa.



Our high-transmission glass features a unique anitreflective coating that directs more light on the solar cells, resulting in a higher energy yield.



First choice for millions of banks and investors, this size is well-suited for almost all PV applications.



Higher module conversion efficiency(up to 18.57%) benefit from Passivated Emmiter Rear Contact (PERC) technology



Positive tolerance of up to 3% delivers higher output reliability.



100% In-House automatic manufacturing.



Certified for PID free modules.



Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.

ISO9001:2015, ISO 14001:2004, OHSAS 18001:2007 certified company IEC61215, IEC61730, IEC62804(PID), IEC61701*, IEC62716*, IEC61853* certified products















* ALL (*) Certification are under process

PERC MONO CRYSTALLINE SOLAR PV MODULE 4BB • 60 CELLS • 290 - 310 WATT

Electrical Parameters at Standard Test Conditions STC & NOCT

Model Type	LE18M290		LE18M295		LE18M300		LE18M305		LE18M310	
model type	STC	NOCT								
Power Output Pmax (W)	290	213.2	295	216.5	300	197.0	305	223.9	310	227.8
Voltage at Pmax V mpp (V)	32.28	30.20	32.43	30.34	32.54	29.25	32.88	30.76	33.31	31.16
Current at Pmax I mpp (I)	8.99	7.13	9.09	7.21	9.23	6.73	9.27	7.35	9.31	7.38
Open-circuit Voltage VOC (V)	38.89	36.38	39.43	36.89	40.03	35.00	40.09	37.51	40.40	37.79
Short-circuit Current ISC (I)	9.51	7.54	9.61	7.62	9.82	7.49	9.82	7.79	9.85	7.81
Module Efficiency % (%)	1	.7	1	8	1	.8	1	8	1	9

STC : 1000 W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3. NOCT : 800 W/m² irradiance, ambient temperature 20°C, wind speed 1 m/sec

Thermel Characteristics

Nominal Operating Cell Temperature	NOCT	°C	46+/-2
Temperature Coefficient of Pmax	Y	%/°C	-0.414
Temperature Coefficient of VOC	β	%/°C	-0.323
Temperature Coefficient of ISC	α	%/°C	0.047

Operating Conditions

Max. System Voltage	1000Vdc
Max. Series Fuse Rating	15A
Limiting Reverse Current	20A
Operating Temperature Range	-40°c to 85°c
Max. Static Load, Front	5400Pa
Max. Static Load, Back (e.g., wind)	2400Pa
Max. Hailstone Impact (diameter / velocity)	25mm / 23.3 m /s

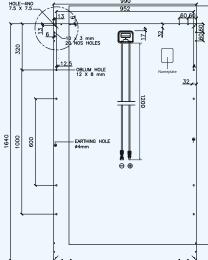
Mechanical Data

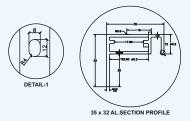
1640mm / 990mm / 35mm
18.3kg
AR coated high transmission low iron tempered glass / 3.2 mm
60 / Multicrystalline silicon / 156.75mm x 156.75mm / 4BB
Ethylene vinyl acetate (EVA)
UV Protected
Anodized aluminum alloy / silver
IP68/67, 3 bypass diodes
1200mm / 4mm2
MC4 / IP68

Packaging Specifications

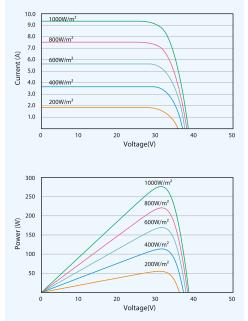
Number of Modules Per Pallet	30
Number of Pallets per 40' Container	28
Packaging Box Dimensions (L / W / H)	1685mm / 1115mm / 1150mm
Box Weight	600kg

Engineering Drawing (mm)

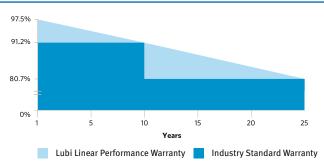




Electrical Performance



Linear Performance Warranty



- 90% of the specified minimum output of the module for a 10 years period
- 80% of the specified minimum output of the module for a 25 years period
- 10-year product warranty
- 25-year linear performance warranty