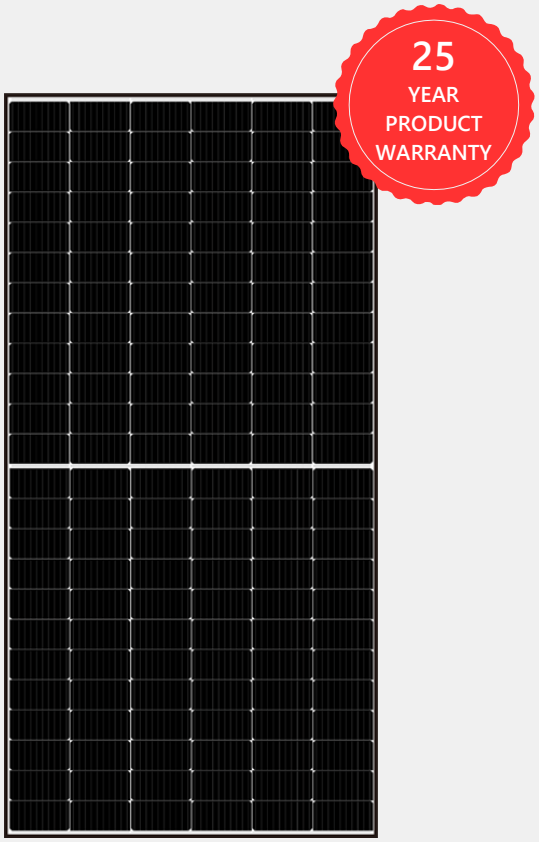
SolarEdge PV Module

Bi-Facial Module

PV540-R72JTML / PV550-R72JTML

PV MODULE



Premium quality bi-facial module

- Superior module efficiency, quality, and long-term reliability with advanced M10 and P-PERC technologies, and full automatic production line
- Faster installations as high module power ratings result in fewer modules and cables
- Convenient single vendor solution from module to grid, for streamlined logistics, warranty and servicing
- Stable mechanical performance – withstands 5400Pa snow and 2400Pa wind loads
- Optimized size that is ideal for module transportation as well as solar tracking systems
- 25-year warranty - both for module and performance

/ SolarEdge PV Module

Bi-Facial Module

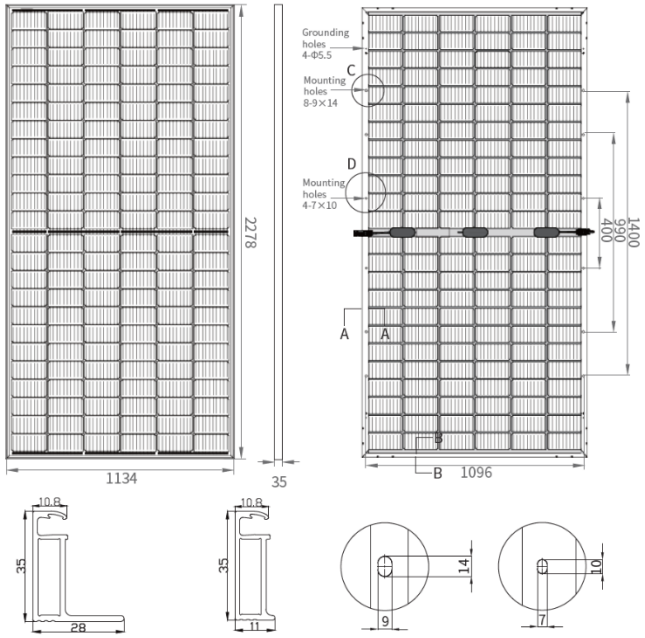
PV540-R72JTML / PV550-R72JTML

ELECTRICAL CHARACTERISTICS	PV540-R72JTML	PV550-R72JTML	
STC(1)			
Max. Power (Pmax)	540	550	W
Open Circuit Voltage (Voc)	49.43	49.97	V
Short Circuit Current (Isc)	13.83	13.93	A
Voltage at Maximum Power (Vmp)	41.54	41.98	V
Current at Maximum Power (Imp)	13.00	13.12	A
NMOT(2)			
Max. Power (Pmax)	408.5	416.1	W
Open Circuit Voltage (Voc)	46.67	47.17	V
Short Circuit Current (Isc)	11.13	11.22	A
Voltage at Maximum Power (Vmp)	39.28	39.64	V
Current at Maximum Power (Imp)	10.40	10.50	A
Module Efficiency	20.90	21.29	%

(1) STC: Irradiance 1000 W/m2, Cell Temperature 25ºC, Air Mass AM1.5.
(2) NMOT: Irradiance at 800 W/m2, Ambient Temperature 20ºC, Wind Speed 1 m/s.

OPERATIONAL PARAMETERS		
Operational Temperature	-40 to +85	°C
Power Output Tolerance	0 to +5	W
Voc and Pmax Measurement Tolerance	± 3	%
Isc Measurement Tolerance	± 5	%
Max. System Voltage	DC1500V (IEC/UL)	
Max. System Fuse Rating	30	A
Protection Class	Class II	
Fire Rating	Class C according to UL790	

MODULE MECHANICAL PROPERTIES		
Cells	144 (6 x 24)	
Cell Type	Monocrystalline PERC	
Cell Dimensions	182 x 91 Mono	mm
Dimensions (L x W x H)	2278 x 1134 x 35	mm
Output Cable	4mm², positive 400 / negative 300	mm
Front Side Maximum Load (Snow)	5400	Pa
Rear Side Maximum Load (Wind)	2400	Pa
Weight	28	kg
Front and Rear Glass	Single tempered glass, 3.2mm	
Frame	Anodized aluminum alloy frame	
Junction Box Protection Grade	IP68	
Connector Type	MC4	
Packaging Information (Pieces per pallet/container)	31/620	
Bifacial Factor	70 ± 5	%



CERTIFICATIONS & WARRANTY		
Module Certifications	IEC 61215:2016, IEC61730	
Product Warranty	25-year module warranty	
Output Warranty of Pmax	25-year linear module warranty(3)	

TEMPERATURE CHARACTERISTICS		
Temperature Coefficient Power (Pm)	-0.34	%/°C
Temperature Coefficient Voltage (Voc)	-0.29	%/°C
Temperature Coefficient Current (Isc)	0.04	%/°C
Operating Cell Temperature (NMOT)	43 ± 2	°C

(3) 1st year: 98%, 84.8% power output at year 25.

SolarEdge PV Module

High Efficiency Mono-Facial Module

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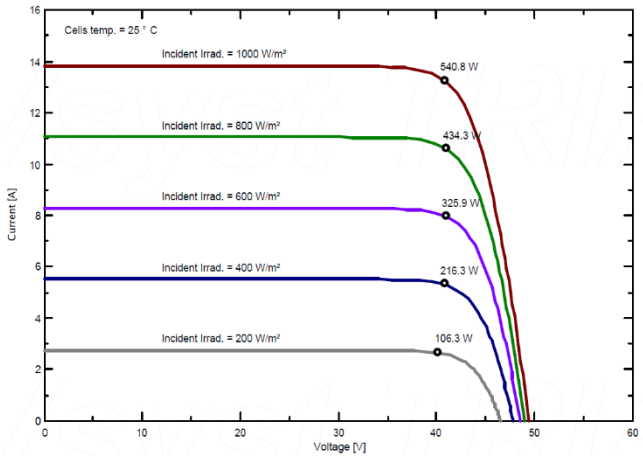
Linear Warranty

25-Year Product Warranty
25-Year Linear Power Warranty

Panel I-V Curve



SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.

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