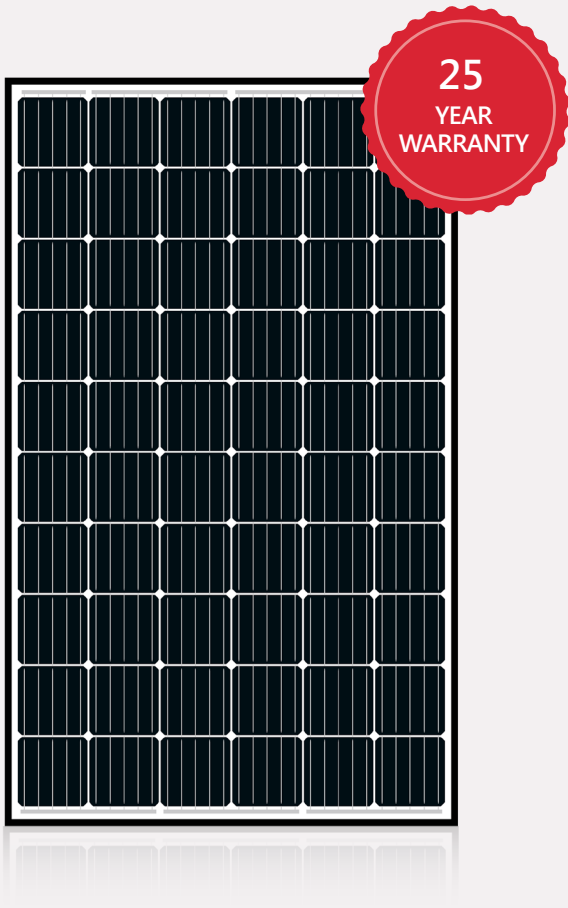

Solar Panel

60-Cell Monocrystalline PERC Panel

PV300-60MMJ / PV305-60MMJ

SOLAR PANEL



Highly reliable PV panels to boost performance and aesthetics

- Superior quality control with full automatic production line and 100% EL triple inspection
- Excellent mechanical loading and shock resistance performance
- Elegant design with black frame
- 12-year product warranty and 25-year performance warranty

Solar Panel 60-Cell Monocrystalline PERC Panel

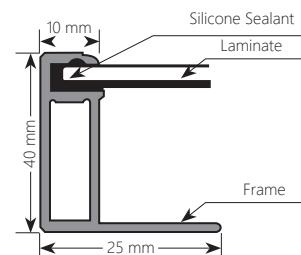
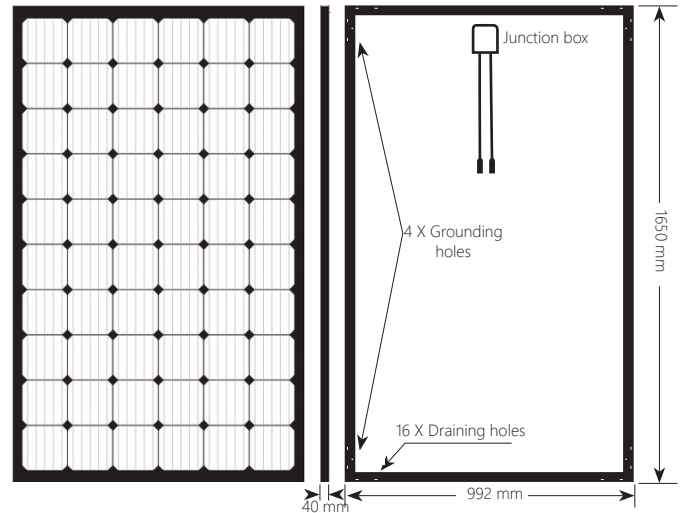
PV300-60MMJ / PV305-60MMJ

PANEL ELECTRICAL PROPERTIES

PANEL TYPE	PV300-60MMJ	PV305-60MMJ	
STC⁽¹⁾			
Panel Power	300	305	W
Max. Power Voltage (Vmp)	32.62	32.92	V
Max. Power Current (Imp)	9.2	9.27	A
Open Circuit Voltage (Voc)	39.75	39.92	V
Short Circuit Current (Isc)	9.64	9.71	A
Maximum System Voltage	1000		Vdc
Maximum Series Fuse Rating	15		A
Panel Efficiency	18.3	18.6	%
Power Tolerance	0 ~ +5		W
NOCT⁽²⁾			
Panel Power	223.3	227	W
Max. Power Voltage (Vmp)	30.34	30.61	V
Max. Power Current (Imp)	7.36	7.42	A
Open Circuit Voltage (Voc)	37.28	37.44	V
Short Circuit Current (Isc)	7.78	7.83	A

PANEL MECHANICAL PROPERTIES

Cells	60 (6 x 10)	
Cell Type	Monocrystalline PERC	
Cell Dimensions	156 x 156	mm
Dimensions (L x W x H)	1650 x 992 x 40	mm
Front Design Load (snow)	3600	Pa
Front Test Load ⁽³⁾	5400	Pa
Rear Design Load (wind)	2400	Pa
Rear Test Load ⁽³⁾	3600	Pa
Weight	18.1	kg
Front Glass	3.2mm, AR coated toughened glass	
Frame	Black anodized aluminium	
Junction Box	IP67	
Connector Type	MC4 (PVKST4II-UR, PV-KBT4II-UR)	
Operating Temperature	-40 to +85	°C
Packaging Information (units per pallet)	26	



CERTIFICATIONS & WARRANTY

Panel Certifications	IEC 61215:2016, IEC61730:2016, CEC listing AU, SII
Product Warranty	12-year warranty
Output Warranty of Pmax	25-year linear panel warranty ⁽⁴⁾

TEMPERATURE CHARACTERISTICS

Temperature Coefficient Power (Pm)	-0.40	% / °C
Temperature Coefficient Voltage (Voc)	-0.29	% / °C
Temperature Coefficient Current (Isc)	0.04	% / °C
Operating Cell Temperature (NOCT)	45 ± 2	°C

⁽¹⁾ STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5

⁽²⁾ NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s

⁽³⁾ Safety factor of 1.5

⁽⁴⁾ 1st year: 97%, 80.2% power output over 25 years

