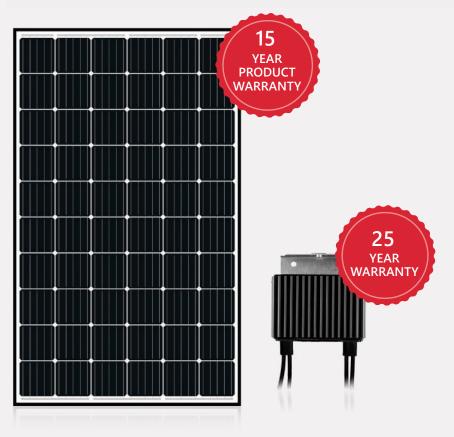
Smart Panel

60-Cell Monocrystalline PERC Panel with Integrated Power Optimiser For Australia

PV300-60MMJ / PV310-60MMJ



SMART PANEL

PV to grid solution including full service from SolarEdge

- Easy installation with panel pre-assembled optimiser
- Optimised energy output by constantly tracking the maximum power point (MPPT) of each panel individually
- Panel-level voltage shutdown for installer and firefighter safety
- Full visibility of system's performance from panels to grid

- 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
- 15-year panel warranty and 25-year performance warranty
- Specifcally designed to work with SolarEdge inverters

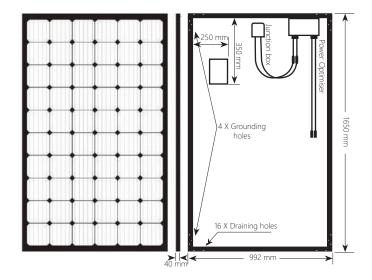


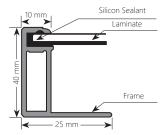
/ Smart Panel 60-Cell Monocrystalline PERC Panel with Integrated Power Optimiser For Australia

PV300-60MMJ / PV310-60MMJ

PANEL ELECTRICAL PROPERTIES					
IJ					
W					
V					
А					
V					
А					
Vdc					
А					
%					
W					
W					
V					
А					
V					
А					

Open Circuit Voltage (Voc)	37.28 37.60		V
Short Circuit Current (Isc)	7.78	7.87	А
PANEL MECHANICAL	PROPERTIES		
Cells	60 (6		
Cell Type	Monocryst		
Cell Dimensions	156 :	mm	
Dimensions (L x W x H)	1650 x 9	mm	
Front Design Load (snow)	36	Pa	
Front Test Load (3)	54	Pa	
Rear Design Load (wind)	24	Pa	
Rear Test Load (3)	3600		Pa
Weight (with Power Optimiser)	18.8		kg
Front Glass	3.2mm, coated toughened glass		
Frame	Black anodized aluminium		
Junction Box	IP		
Connector Type	MC4 (PVKST4II-L		
Operating Temperature	-40 to +85		°C
Packaging Information (units per pallet)	2		



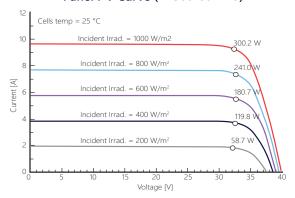


CERTIFICATIONS & WARRANTY Panel Certifications	IEC 61215:2016, IEC61730:2016, CEC listing AU, PID: IEC62804, SII, AS4040.2:1992 (wind pressure)	
Product Warranty	Power Optimiser — 25-year warranty, Panel — 15-year warranty	
Output Warranty of Pmax	25-year linear Panel warranty (4)	
TEMPERATURE CHARACTERISTIC	CS Control of the con	, i
Temperature Coefficient Power (Pm)	-0.40	%/°C
Temperature Coefficient Voltage (Voc)	-0.29	%/°C
Temperature Coefficient Current (Isc)	0.04	%/°C

+ 25-Year Linear Power Warranty Output power 100% 90% Output power ≥ 80.2% 80% 15-year product warranty 70%

Linear Warranty 15-Year Product Warranty

Panel I-V Curve (PV300-60MMJ)



STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.
 Safety factor of 1.5

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

/ Smart Panel 60-Cell Monocrystalline PERC Panel with Integrated Power Optimiser For Australia

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INPUT		
Rated Input DC Power	370	l w
Absolute Maximum Input Voltage (Voc	370	VV
at lowest temperature)	60	
MPPT Operating Range	8 - 60	Vdc
Maximum Short Circuit Current (Isc)	11	Ado
Maximum Effeciency	99.5	%
Weighted Effeciency	98.8	%
Overvoltage Category	II	
OUTPUT DURING OPERATION (POWE	R OPTIMISER CONNECTED TO OPERATING SOLAREDGE INVER	TER)
Maximum Output Current	15	Add
Maximum Output Voltage	60	Vdc
OUTPUT DURING STANDBY (POWER OVERTER OFF)	OPTIMISER DISCONNECTED FROM SOLAREDGE INVERTER OR	SOLAREDGE IN-
OUTPUT DURING STANDBY (POWER	OPTIMISER DISCONNECTED FROM SOLAREDGE INVERTER OR : 1 ± 0.1	SOLAREDGE IN-
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power		
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser		
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE	1 ± 0.1	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety ROHS	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741 Yes	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety ROHS Fire Safety INSTALLATION SPECIFICATIONS	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741 Yes	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety ROHS Fire Safety INSTALLATION SPECIFICATIONS Output Connector	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741 Yes VDE-AR-E 2100-712:2013-05	
OUTPUT DURING STANDBY (POWER OVERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety RoHS Fire Safety INSTALLATION SPECIFICATIONS Output Connector Output Wire Length	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741 Yes VDE-AR-E 2100-712:2013-05 MC4	Vdo
OUTPUT DURING STANDBY (POWER of VERTER OFF) Safety Output Voltage per Power Optimiser STANDARD COMPLIANCE EMC Safety RoHS Fire Safety	1 ± 0.1 FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3 IEC62109-1 (class II safety), UL1741 Yes VDE-AR-E 2100-712:2013-05 MC4 1.2	Vdo

PV System Design Using A SolarEdge Inverter	4	Single Phase HD-Wave	Single Phase	Three Phase Residental ⁽⁵⁾	Three Phase Commercial	
Minimum String Length (Power Optmisers)	P370	8	3	8 per array	16	
Maximum String Length (Power Optimisers)			25		50	
Maximum Power per String		5700 (6000 with SE8000H, SE10000H)	5250	5700	11250 ⁽⁶⁾	W
Parallel Strings of Different Lengths	or Orientations	Yes				
Notes				Connect 2 arrays		

⁽⁵⁾ Optmisers must be connected in two separate arrays. For complete design guidelines for the three phase residential inverters refer to: https://www.solaredge.com/sites/default/files/three_phase_inverter_residential_design_installation_addendum_aus.pdf
(6) It is allowed to install up to 13,500W per string when the maximum power difference between each string is 2,000W