



AUSTRALIAN PREMIUM SOLAR
A Bright Alternative

ON GRID INVERTER



SINGLE PHASE 1KW TO 6KW

WIDE RANGE OF AC VOLTAGE & FREQUENCY TO ADAPT TO THE ADVERSE GRID SITUATION IN INDIA

MUCH LOWER AC CURRENT THD: 1.5%

MUCH ACCURATE AC POWER

ULTRA HIGH PERFORMANCE DYNAMIC MPPT EFFICIENCY

*** CALL NOW FOR MORE DETAILS**

Email : sales@australianpremiumsolar.co.in
 Website : www.australianpremiumsolar.co.in

TOLL FREE NUMBER
1800-313-5052

MODEL	1.1 KW	2.2 KW	3.3 KW	4.2 KW	5.3 KW	6 KW
Energy source	GRID-CONNECTED PV					
INPUT (DC)						
Max.DC Power(kW)	1.2	2.4	3.6	4.6	5.8	6.6
Max.DC Input Voltage(V)	500					
Start-up DC Input Voltage(V)	80					
MPPT Operating Range(V)	70-500		100-500			
Max.DC Input Current(A)	10A				10A + 10A	
Number of MPP/Number of Strings	1/1				2/1	
OUTPUT (AC)						
Rated Output Power(kW)	1.1	2.2	3.3	4.2	5.3	6
Max. Active Power(kW)	1.2	2.4	3.6	4.6	5.8	6.6
Rated AC Grid Voltage(V)	230					
AC Grid Voltage Range(V)	160-170				180-270	
Rated Grid Frequency(Hz)	50/60 (Optional)					
Operating Phase	Single phase					
Rated AC Grid Output Current(A)	4.3	8.7	13.1	16	22	26
Max.AC Output Current(A)	4.7	9.6	14	18	24	29
Output Power Factor	>0.99					
Grid Current (THD)	<3%				<3%	
DC Injection Current(A)	<0.5%				<0.5%	
Grid Frequency Range	47-52 or 57-62 (Optional)					
EFFICIENCY						
Max. Efficiency	97.30%	99.30%	97.50%	97.30%	97.50%	97.50%
Euro Efficiency	97.10%	97.10%	97.30%	97.10%	97.30%	97.30%
MPPT Efficiency	>99%					
PROTECTION						
DC Reverse-Polarity Protection	Yes					
AC Short Circuit Protection	Yes					
AC Output Overcurrent Protection	Yes					
Output Overvoltage Protection	Yes					
Insulation Resistance Protection	Yes					
Ground Fault Monitoring	Yes					
Surge Protection	Yes					
Anti-islanding	Yes					
Temperature Protection	Yes					
Integrated DC Switch	Optional					
DC/AC Side Varistor (Thermally Protected)	Yes					
GENERAL DATA						
Size(mm)	330W*347.5H*127D			330W*347.5H*179D		
Weight(kg)	7			12.5		
Topology	Transformerless					
Internal Consumption	<2W (Night)					
Running Temperature	-25° c to 60° c					
Ingress Protection	IP65					
Noise Emission (Typical)	<30 dB					
Cooling Concept	Intelligent cooling					
Max. Operating Altitude Without Derating	2000 m					
Designed Lifetime	>20 years					
Grid Connection Standard	EN50438,IEC61727,VDE4105, NB/T32004(CQC),IEC62109-1-2					
Operating Surroundings Humidity	0-100%					
Staffy EMC /Standard	IEC62109-1/2,EN61000-6-1,EN61000-6-3					
FEATURES						
DC Connection	MC-4 mateable					
AC Connection	IP65 rated plug					
Display	LCD1602					
Interface	RS485/RS232					

Australian Premium Solar (India) Pvt. Ltd.

Factory : Near GEB Sub-station, NH-08, Tajpur, Ta: Prantij, Dis: Sabarkantha, Gujarat, India

Corporate / Sales Office : B-802, 8th Floor, Shapath Hexa, Nr. Sola Bridge, Opp. Gujarat High Court, S. G. Highway, Ahmedabad-380061. Gujarat (India).