



AUSTRALIAN PREMIUM SOLAR
A Bright Alternative



ON GRID INVERTER



THREE PHASE 5KW TO 10KW

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

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

TOLL FREE NUMBER
1800-313-5052

MODEL	APSG-3-5.5K-IN	APSG-3-6.6K-IN	APSG-3-7K-IN	APSG-3-8K-IN	APSG-3-10K-IN
Energy source	GRID-CONNECTED PV				
INPUT (DC)					
Max.DC Power(kW)	5.5	6.6	7.7	8.8	11
Max.DC Input Voltage(V)	900				
Start-up DC Input Voltage(V)	250				
MPPT Operating Range(V)	200-800V				
Max.DC Input Current(A)	10A + 10A				
Number of MPP/Number of Strings	2/1				
OUTPUT (AC)					
Rated Output Power(kW)	5	6	7	8	10
Max. Active Power(kW)	5.5	6.6	7.7	8.8	11
Rated AC Grid Voltage(V)	380/400				
AC Grid Voltage Range(V)	277-460				
Rated Grid Frequency(Hz)	50/60 (Optional)				
Operating Phase	Single phase				
Rated AC Grid Output Current(A)	7.2	8.7	10.1	11.6	14.5
Max.AC Output Current(A)	8	9.57	11.11	12.76	16
Output Power Factor	>0.99				
Grid Current (THD)	<3%				
DC Injection Current(A)	<0.5%				
Grid Frequency Range	47-52 or 57-62 (Optional)				
EFFICIENCY					
Max. Efficiency	98.3%				
Euro Efficiency	97.5%				
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				
GENERAL DATA					
Size(mm)	385W*479H*184D				
Weight(kg)	15				
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%				
Stafy 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).