



**AUSTRALIAN PREMIUM SOLAR**  
*A Bright Alternative*



# ON GRID INVERTER



**THREE PHASE 12KW TO 25KW**

**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](mailto:sales@australianpremiumsolar.co.in)  
 Website : [www.australianpremiumsolar.co.in](http://www.australianpremiumsolar.co.in)

**TOLL FREE NUMBER**  
**1800-313-5052**

MODEL	APSG-3-12K-IN	APSG-3-15K-IN	APSG-3-20K-IN	APSG-3-25K-IN
Energy source	GRID-CONNECTED PV			
<b>INPUT (DC)</b>				
Max.DC Power(kW)	13.2	16.5	22	27.5
Max.DC Input Voltage(V)	1000			
Start-up DC Input Voltage(V)	250			
MPPT Operating Range(V)	200-800V			
Max.DC Input Current(A)	20A + 20A			
Number of MPP/Number of Strings	2/2			
<b>OUTPUT (AC)</b>				
Rated Output Power(kW)	12	15	20	25
Max. Active Power(kW)	13.2	16.5	22	27.5
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)	17.4	21.7	29	36.2
Max.AC Output Current(A)	19.14	24	31.9	39.9
Output Power Factor	>0.99			
Grid Current (THD)	<3%			
DC Injection Current(A)	<0.5%			
Grid Frequency Range	47-52 or 57-62 (Optional)			
<b>EFFICIENCY</b>				
Max. Efficiency	98.60%			
Euro Efficiency	97.80%			
MPPT Efficiency	>99%			
<b>PROTECTION</b>				
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			
<b>GENERAL DATA</b>				
Size(mm)	455W*573H*265D			
Weight(kg)	28			
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			
<b>FEATURES</b>				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	3.5 TFT			
Interface	RS485/RS232			

**Australian Premium Solar (India) Pvt. Ltd.**

**Factory :** Near GEB Sub-station, NH-08, Tajpur, Ta: Prantij, Di: 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).