



THREE PHASE

APS GTI 1.0



12 KW
15 KW

20 KW
25 KW



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
1800-313-5052

 sales@australianpremiumsolar.co.in

 www.australianpremiumsolar.co.in

MODEL	APS-3-12K-IN	APS-3-15K-IN	APS-3-20K-IN	APS-3-25K-IN
Energy source	GRID-CONNECTED PV			

INPUT (DC)				
Max.DC Power(kW)	78	19.5	97.5	104
Max.DC Input Voltage(V)	1000			
Start-up DC Input Voltage(V)	250			
MPPT Operating Range(V)	200-1000V	200-800V	200-800V	200-1000V
Max. DC Input Current(A)	10A+20A	11A+22A	25A+25A	28.5A+28.5A
Number of MPP/Number of Strings	1+2	1+2	2+2	3+3

OUTPUT (AC)				
Rated Output Power (kW)	12	15	20	25
Max. Active Power (kW)	13.2	16.5	22	27.5
Rated AC Grid Voltage(V)	230/400			
AC Grid Voltage Range (V)	277-460			
Rated Grid Frequency (Hz)	50/60 (Optional)			
Operating Phase	Three Phase			
Rated AC Grid output Current (A)	17.4	21.8	29	36.2
Max.AC Output Current(A)	19.1	23.9	31.9	39.9
Output Power Factor	0.8 leading to 0.8 lagging			
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	97.80%
MPPT EFFICIENCY	>99%

PROTECTION	
DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Over current Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Surge Protection	Yes
Anti-islanding	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes

GENERAL DATA	
Size(mm)	455W*573H*265D
Weight(kg)	30
Topology	Transformerless
Internal Consumption	<2W (Night)
Running Temperature	-25° c to 65°c
Ingress Protection	IP65
Noise Emission (Typical)	<45dB
Cooling Concept	Smart Cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 Years
Grid Connection Standard	EN50438,IEC61727,VDE4105,NB/T32004(CQC),IEC62109-1-2
Operating Surrounding Humidity	0-100%
Safety EMC/ Standard	IEC 61727,62116,60068,61683,IEC / EN62109 – 1/2,EN50549,IEC61000-6-1,IEC61000-6-3,61000-3-11,61000-3-12

FEATURES	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	3.5TFT
Interface	RS485/RS232 /WiFi/GPRS/LAN

Australian Premium Solar (India) Pvt. Ltd.

Factory : Near Tajpur GEB Substation, Tajpur, National Highway 8, Prantij, Gujarat 383205

Corporate / Sales Office : 4th Floor, 14 Magnet Corporate Park, Sarkhej - Gandhinagar Hwy, behind Intas Corporate House, Thaltej, Ahmedabad, Gujarat 380054