

THREE PHASE



APS GTI 1.0 12 KW TO 25 KW



- WIDE RANGE OF AC VOLTAGE & FREQUENCY TO ADAPT TO THE ADVERSE GRID SITUATION IN INDIA
- ULTRA HIGH PERFORMANCE DYNAMIC MPPT EFFICIENCY
- MUCH LOWER AC CURRENT THD : 1.5%
- MUCH ACCURATE AC POWER

Australian Premium Solar (India) Pvt. Ltd.

- **Corporate / Sales Office** : 301, 3rd floor, Satyamev Eminence, Nr. Shukan Mall, Science City Road, Ahmedabad, Gujarat-380060
- **Factory** : Near Tajpur GEB Substation, Tajpur, National Highway 8, Prantij, Gujarat-383205



R-72001791

MODEL	12 KW	15 KW	20 KW	25 KW
Energy Source	GRID-CONNECTED PV			
INPUT (DC)				
Max.DC Power(kW)	15.6	19.5	26	32.5
Max.DC Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	250			
MPPT Operating Range (V)	200-800V			
Max.DC Input Current (A)	13 A + 13 A	13A + 26A	25A +25A	30A + 30A
Number of MPPT / Number of strings	2/1+1	2/1+2	2/2+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)	3L/N/PE 400V			
AC Grid Voltage Range (V)	277-460 (vary with grid standards)			
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)	<2%			
DC Injection Current (A)	<0.5%			
Grid Frequebcy Range	47-52 OR 57-62 (Optional)			
EFFICIENCY				
Max.EFFICIENCY	98.5%			
Euro EFFICIENCY	97.5%			
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	Optional			
GENERAL DATA				
Szie (mm)	330*457*205*	333*472*202*	330*500*206*	
Weight (Kg)	15	15	25	
Topology	Transformerless			
Internal Consumption	<2W (Night)			
Running Temperature	-25°C to 65°C			
Ingress Protection	IP65			
Noise Emission (Typical)	<35dB			
Cooling Concept	Natural Cooling			
Max.Operating Altitude Without Derating	2000m			
Designed Lifetime	>20 Years			
Grid Connection Standard	EN504.8, 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,IEC61000-6-1,61000-6-3,61000-3-11,61000-3-12			
FEATURES				
DC Connection	MC4 Mateable			
AC Connection	IP65 Rated Plug			
Display	LED1602/ LED240X160/ LCD1602			
Interface	RS485/RS232/WiFi/LAN/GPRS (optional)*			