

SINGLE PHASE



APS GTI 1.0 1 KW TO 6 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	1.1 KW	2.2 KW	3.3 KW	4 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	5.2	5.46	6.5	6.6
Max.DC Input Voltage (V)	500						
Start-up DC Input Voltage (V)	80						
MPPT Operating Range (V)	70-500V						
Max.DC Input Current (A)	13 A			13 A + 13 A			
Number of MPPT / Number of strings	1/1			2/1			
OUTPUT (AC)							
Rated Output Power (kW)	1.1	2.2	3.3	4	4.2	5.3	6
Max.Active Power (kW)	1.1	2.4	3.6	4.4	4.6	5.5	6.6
Rated AC Grid Voltage (V)	230 V						
AC Grid Voltage Range (V)	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	17.4	16	23	26
Max.AC Output Current (A)	4.7	9.6	14	19.1	18.2	23.9	28.7
Output Power Factor	0.8 Leading to 0.8 Lagging						
Grid Current (THD)	<2%			<3%		<2%	
DC Injection Current (A)	<0.5%						
Grid Frequebcy Range	47-52 OR 57-62 (Optional)						
EFFICIENCY							
Max.EFFICIENCY	97.3%	97.3%	97.5%	97.5%	97.3%	97.5%	97.5%
Euro EFFICIENCY	97.1%	97.1%	97.3%	97.3%	97.1%	97.3%	97.3%
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)	280*272.5*184					330*323*190*	
Weight (Kg)	4.8					7.5	
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)*						