



THREE PHASE



APS GTI 1.0 6.6 KW TO 15 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	6.6 KW	7 KW	8 KW	10 KW	12 KW	15 KW
Energy Source	GRID-CONNECTED PV					
INPUT (DC)						
Max.PV Input Power(kW)	7.8	9.1	10.4	13	15.6	19.5
Max.PV Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	140					
MPPT Operating Range (V)	120-1000					
Rated PV Input Voltage (V)	600					
Max. Operating PV Input Current (A)	13+13					13+26
Max. Input Short Circuit Current (A)	19.5+19.5					19.5+39
No.of MPPT Trackers / Strings Per MPPT Tracker	2/1+1					2/1+2
AC Output Side						
Rated AC Output Active Power (KW)	6.6	7	8	10	12	15
Max.AC Output Apparent Power (kva)	6.6	7.7	8.8	11	13.2	16.5
Rated AC Output Current (A)	9.1/8.7	10.7/10.2	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8
Max.AC Output Current (A)	10/9.6	11.7/11.2	13.4/12.8	16.7/16	20/19.2	25/24
Rated Output Voltage / Range (V)	220/380V, 230/400V 0.85Un-1.1Un					
Grid Connection Form	3L/N/PE					
Rated Output Grid Frequency / Range (Hz)	50/45-55, 60/55-65					
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging					
Total Current Harmonic Distortion THDi	<3%					
DC Injection Current	<0.5% In					
Efficiency						
Max.Efficiency	98.2%		98.3%		95.5%	
Euro Efficiency	97.6%		97.8 %		98 %	
MPPT Efficiency	>99%					
Equipment Protection						
DC Polarity Reverse Connection Protection	Yes					
AC Output Overcurrent Protection	Yes					
AC Output Overvoltage Protection	Yes					
AC Output Short Circuit Protection	Yes					
Thermal Protection	Yes					
DC Terminal Insulation Impedance Monitoring	Yes					
DC Component Monitoring	Yes					
Ground Fault Current Monitoring	Yes					
Power Network Monitoring	Yes					
Island Protection Monitoring	Yes					
Earth Fault Detection	Yes					
Overvoltage Load Drop Protection	Yes					
Residual Current (RCD) Detection	Yes					
Surge Protection Level	TYPE II (DC), TYPEII (AC)					
Interface						
Communication Interface	RS485/RS232/WiFi/LAN					
General Data						
Operating Temperature Range (°C)	-25 to 65°C, >45°C Derating					
Permissible Ambient Humidity	0-100%					
Permissible Altitude (m)	4000m					
Noise (dB)	<45					
Ingress Protection (IP) Rating	IP65					
Inverter Topology	Non-Isolated					
Over Voltage Category	OVCI(DC), OVCI(AC)					
Cabinet Size	283x463x178 (Excluding Connectors and Brackets)					
Weight	11					
Warranty	5 Years					
Type of Cooling	Natural Cooling					
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G99, VDE-AR 4105					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109, IEC/EN 62109-2					