

THREE
PHASE



APS GTI 1.0 5.5 KW TO 10 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	5.5 KW	6.6 KW	7 KW	8 KW	10 KW
Energy Source	GRID-CONNECTED PV				
INPUT (DC)					
Max.DC Power(kW)	6.5	7.8	9.1	10.4	13
Max.DC Input Voltage (V)	1000				
Start-up DC Input Voltage (V)	140				
MPPT Operating Range (V)	120-850V				
Max.DC Input Current (A)	13 A + 13 A				
Number of MPPT / Number of strings	2/1				
OUTPUT (AC)					
Rated Output Power (kW)	5	6.6	7	8	10
Max.Active Power (kW)	5.5	6.6	7.7	8.8	11
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)	7.2	8.7	10.1	11.6	14.5
Max.AC Output Current (A)	8	9.6	11.0	12.8	15.9
Output Power Factor	0.8 Leading to 0.8 Lagging				
Grid Current (THD)	<3%				
DC Injection Current (A)	<0.5%				
Grid Frequebcy Range	47-52 OR 57-62 (Optional)				
EFFICIENCY					
Max.EFFICIENCY	98.3%				
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	Yes				
GENERAL DATA					
Szie (mm)	330*457*185*				
Weight (Kg)	10				
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)*				