



# THREE PHASE



## APS GTI 1.0

### 60 KW TO 80 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	60 KW	70 KW	75 KW	80 KW
Energy Source	GRID-CONNECTED PV			
<b>INPUT (DC)</b>				
Max.PV Input Power(kW)	78	91	97.5	104
Max.PV Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	250			
MPPT Operating Range (V)	200-850			
Rated PV Input Voltage (V)	600			
Max. Operating PV Input Current (A)	40+40+40+40			
Max. Input Short Circuit Current (A)	60+60+60+60			
No.of MPPT Trackers / Strings Per MPPT Tracker	4/3+3+3+3		4/4+4+4+4	
<b>AC Output Side</b>				
Rated AC Output Active Power (KW)	60	70	75	80
Max.AC Output Apparent Power (kva)	66	77	82.5	88
Rated AC Output Current (A)	90.9/87	106.1/101.5	113.6/108.7	12.2/115.9
Max.AC Output Current (A)	100/95.7	116.7/111.6	125/119.6	133.3/127.5
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			
<b>Efficiency</b>				
Max.Efficiency	98.7%			
Euro Efficiency	98.1%			
MPPT Efficiency	>99%			
<b>Equipment Protection</b>				
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)			
<b>Interface</b>				
Communication Interface	RS485/RS232/WiFi/LAN			
<b>General Data</b>				
Operating Temperature Range (°C)	-25 to 65°C, >45°C Derating			
Permissible Ambient Humidity	0-100%			
Permissible Altitude (m)	4000m			
Noise (dB)	≤50	≤55		
Ingress Protection (IP) Rating	IP65			
Inverter Topology	Non-Isolated			
Over Voltage Category	OVCI(DC), OVCI(AC)			
Cabinet Size	700x575x297 (Excluding Connectors and Brackets)			
Weight	60			
Warranty	5 Years			
Type of Cooling	Intelligent Air Cooling			
Grid Regulation	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR 4105			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109, IEC/EN 62109-2			