



# THREE PHASE



## APS GTI 1.0 20 KW TO 35 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) 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	20 KW	25 KW	30 KW	33 KW	35 KW
Energy Source	GRID-CONNECTED PV				
<b>INPUT (DC)</b>					
Max.PV Input Power(kW)	26	32.5	39	42.9	45.5
Max.PV Input Voltage (V)	1100		1000		
Start-up DC Input Voltage (V)			250		
MPPT Operating Range (V)	200-1000		200-850		
Rated PV Input Voltage (V)			600		
Max. Operating PV Input Current (A)	26+26		40+40		
Max. Input Short Circuit Current (A)	39+39		60+60		
No.of MPPT Trackers / Strings Per MPPT Tracker	2/2+2		2/3+3		
<b>AC Output Side</b>					
Rated AC Output Active Power (KW)	20	25	30	33	35
Max.AC Output Apparent Power (kva)	22	27.5	33	36.3	38.5
Rated AC Output Current (A)	30.3/29	37.9/36.2	45.5/43.5	50/47.8	53/50.7
Max.AC Output Current (A)	33.3/31.9	41.7/39.8	50/47.9	55/52.6	58.3/55.8
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	98.5%		98.6%		
Euro Efficiency	98%		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				
Ingress Protection (IP) Rating	IP65				
Inverter Topology	Non-Isolated				
Over Voltage Category	OVCI(DC), OVCI(AC)				
Cabinet Size	365x527x220 (Excluding Connectors and Brackets)				
Weight	20				
Warranty	10 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				