

SINGLE PHASE



APS GTI 2.0 2.5 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) 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	2.5 KW	3.3 KW	4.6 KW	5.3 KW	6 KW
Energy Source	GRID-CONNECTED PV				
INPUT (DC)					
Max.DC Power(kW)	3750	4950	6900	7950	6900
Max.DC Input Voltage (V)	500			600	
Start-up DC Input Voltage (V)	60			120	
Rated Input Voltage (V)	360			360	
MPPT Operating Range (V)	50 ~ 480			80~550	
Max.DC Input Current (A)	14			12.5	
Max.Short-Circuit Current (A)	18			15	
Number of MPPT / Number of strings	1			2/1	
OUTPUT (AC)					
Rated Output Power (kW)	2500	3300	4600	5300	6000
Max.Output Apparent power (VA)	2750	3300	5060	5830	6000
Rated Grid Voltage (v)	220/230/240				
Rated Grid Frequency (Hz)	50/60				
Rated Output Current (A)	10.9	14.3	20.0	23.0	26.1
Max.Output Current (A)	12.0	14.3	22.0	25.3	26.1
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDi) (%)	<3				
EFFICIENCY					
MPPT EFFICIENCY	99.00				
Euro EFFICIENCY	96.80				
Max.EFFICIENCY	97.40				
PROTECTION					
Insulation Monitoring	Yes				
Residual Current Monitoring	Yes				
DC Reverse Polarity Protection	Yes				
Anti - Islanding Protection	Yes				
AC Short-Circuit Protection	Yes				
AC Overcurrent Protection	Yes				
AC Overvoltage Protection	Yes				
Surge Protection	Optional (DC/AC : Type)				
DC Switch	Optional				
AFCI	Optional				
GENERAL DATA					
Dimensions (WxHxD)(mm)	290*220*116			402*476.5*148	
Weight (kg)	5.4			15.5	
Cooling Method	Natural Convection			Natural Convection	
Topology	Non-isolated			Transformerless	
Noise Emission (typical)(dB)	<30				
Max.Operating Altitude (m)	3000				
Operating Temperature Range (°C)	-25~60				
Humidity (%)	0~100(No Condensation)				
Ingress Protection	IP65				
Internal Consumption at Night (W)	<1				
Monitoring Module	WIFI / 4G (Optional)			LAN / WIFI / GPRS / 4G (Optional)	
Communication	RS485, Meter / CT, ISO Alarm			RS485, Meter / CT, DRM	
Display	LCE, Touch Key, App, Website				
STANDARD COMPLIANCE					
Safety	EN/IEC 62109-1/2, BIS IS 16169, BIS IS 16221-1/2				
EMC	EN 61000-6-1/2/3/4				
Grid Regulation	AS/NZS-4777.2, ABNT NBR 16149, ABNT NBR 16150, C10/11, EN 50549-1, VDE-AR-N4105, VDE V 0126-1-1, UTE C 15-712-1, TAI-PEA, TAI-MEA, RD 1699, CEI 0-21, IEC 61727, IEC 62116, IEC 61683, IEC 60068, IEC 60068-2-1/2/14/30/64/G98,G99				