



# 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 KW	3.3 KW	4.6 KW	5.3 KW	6 KW
Energy Source	GRID-CONNECTED PV					
<b>INPUT (DC)</b>						
Max.DC Power(kW)	3750	4500	4950	5980	6890	7800
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			
<b>OUTPUT (AC)</b>						
Rated Output Power (kW)	2500	3000	3300	4600	5300	6000
Max.Output Apparent power (VA)	2750	3300	3300	5060	5830	6000
Rated Grid Voltage (v)	220/230/240					
Rated Grid Frequency (Hz)	50/60					
Rated Output Current (A)	10.9	13.0	14.3	20.0	23.0	26.1
Max.Output Current (A)	12.0	14.3	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					
<b>EFFICIENCY</b>						
MPPT EFFICIENCY	99.00					
Euro EFFICIENCY	96.80					
Max.EFFICIENCY	97.40					
<b>PROTECTION</b>						
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					
<b>GENERAL DATA</b>						
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					
<b>STANDARD COMPLIANCE</b>						
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					