



# THREE PHASE



## APS GTI 2.0 8 KW TO 25 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	8 KW	10 KW	12 KW	15 KW	20 KW	25 KW
Energy Source	GRID-CONNECTED PV					
<b>INPUT (DC)</b>						
Max.DC Power(kW)	12000	15000	18000	22500	30000	37500
Max.DC Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	140					
Rated Input Voltage (V)	600					
MPPT Operating Range (V)	140 ~ 1000					
Max.DC Input Current (A)	14	14	14	28	28	28
Max.Short-Circuit Current (A)	18.2	18.2	18.2	36.4	36.4	36.4
Number of MPPT / Number of strings	2/1+1	2/1+1	2/1+1	2/2+2	2/2+2	2/2+2
<b>OUTPUT (AC)</b>						
Rated Output Power (kW)	8000	10000	12000	15000	20000	25000
Max.Output Apparent power (VA)	8800	11000	13200	16500	22000	27500
Rated Grid Voltage (v)	3/N/PE, 220/380, 230/400, 240/415					
Rated Grid Frequency (Hz)	50/60					
Rated Output Current (A)	11.6	14.5	17.4	21.7	29.0	36.2
Max.Output Current (A)	12.8	15.9	19.1	23.9	31.9	39.9
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)					
Total Harmonic Distortion (THDi) (%)	<3					
<b>EFFICIENCY</b>						
MPPT EFFICIENCY	99.08					
Euro EFFICIENCY	97.8					
Max.EFFICIENCY	98.6					
<b>PROTECTION</b>						
Insulation Monitoring	Yes					
Residual Current Monitoring	Yes					
PV String Current Monitoring	Yes		Optional			
DC Reverse Polarity Protection	Yes					
Anti - Islanding Protection	Yes					
AC Short-Circuit Protection	Yes					
AC Overcurrent Protection	Yes					
AC Overvoltage Protection	Yes					
Surge Protection	DC/AC : Type					
DC Switch	Optional					
AFCI	Optional					
<b>GENERAL DATA</b>						
Dimensions (WxHxD)(mm)	370*180-183.5					
Weight (kg)	15.5	15.5	15.5	15.5	15.5	15.5
Cooling Method	Natural Convection				Fan	
Topology	Transformerless					
Noise Emission (typical)(dB)	<30				<55	
Max.Operating Altitude (m)	3000					
Operating Temperature Range (°C)	-25~60					
Humidity (%)	0~100( No Condensation )					
Ingress Protection	IP65					
Internal Consumption at Night (W)	<3					
Monitoring Module	WIFI / 4G (Optional)					
Communication	RS485, Meter / DRM, Estop					
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, C10/11, EN50549-1, VDE-AR-N4105, RD 1699, CEI 0-21, NB/T 32004, VDE V 0126-1-1, UTE C 15-712-1					