

THREE PHASE



APS GTI 2.0 6 KW TO 30 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	6 KW	8 KW	10 KW	12 KW	15 KW	20 KW	25 KW	30 KW
Energy Source	GRID-CONNECTED PV							
INPUT (DC)								
Max.DC Power(kW)	9000	12000	15000	18000	22500	30000	37500	45000
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)	20/20	20/20	20/20	20/20	32/32	32/32	40/32	40/40
Max.Short-Circuit Current (A)	26/26	26/26	26/26	26/26	41.6/41.6	41.6/41.6	52/41.6	52/52
Number of MPPT / Number of strings	2/1+1	2/1+1	2/1+1	2/1+1	2/2+2	2/2+2	2/2+2	2/2+2
OUTPUT (AC)								
Rated Output Power (kW)	6000	8000	10000	12000	15000	20000	25000	30000
Max.Output Apparent power (VA)	6600	8800	11000	13200	16500	22000	27500	33000
Rated Grid Voltage (v)	400/230; 380/220, 3L/N/PE							
Rated Grid Frequency (Hz)	50/60 , ±5							
Rated Output Current (A)	9.1	12.1	15.2	18.2	22.7	30.3	37.9	45.5
Max.Output Current (A)	9.6	12.8	15.9	19.1	23.9	31.9	39.9	47.8
Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)							
Total Harmonic Distorion (THDi) (%)	<3							
EFFICIENCY								
MPPT EFFICIENCY	99.8							
Euro EFFICIENCY	97.8							
Max.EFFICIENCY	98.6							
PROTECTION								
Insulation Monitoring	Yes							
Residual Current Monitoring	Yes							
PV String 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	YES [Type II (PV)/Type II (AC)]							
DC Switch	Yes							
AFCI	Optional							
GENERAL DATA								
Dimensions (WxHxD)(mm)	370*180-183.5							
Weight (kg)	17	17	17	17	20	20	20	20
Cooling Method	Natural Convection				FAN cooling			
Topology	Non-isolated							
Noise Emission (typical)(dB)	<30				<55			
Max.Operating Altitude (m)	3000							
Operating Temperature Range (°C)	-25 ~ +60 (derating at +45)							
Humidity (%)	40 ~ +70							
Ingress Protection	PD3 (PD2 inside)							
Internal Consumption at Night (W)	<3							
Monitoring Module	WIFI / 4G (Optional)							
Communication	RS485, Meter / DRM, Estop							
Display	LCD, 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, 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							