

THREE PHASE



APS GTI 1.0 30 KW TO 45 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) Pvt. 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	30 KW	33 KW	35 KW	40 KW	45 KW
Energy Source	GRID-CONNECTED PV				
INPUT (DC)					
Max.DC Power(kW)	39	42.9	45.5	52	58.5
Max.DC Input Voltage (V)	1000				
Start-up DC Input Voltage (V)	250				
MPPT Operating Range (V)	200-850V				
Max.DC Input Current (A)	2x30A	2x30A	3/40A	3/40A	3/40A
Number of MPPT / Number of strings	2/3	2/3	3/3	3/3	3/3
OUTPUT (AC)					
Rated Output Power (kW)	30	33	35	40	45
Max.Active Power (kW)	33	36.3	38.5	44	49.5
Rated AC Grid Voltage (V)	3L/N/PE 400V				
AC Grid Voltage Range (V)	277-460 (vary with grid standards)				
Rated Grid Frequency (Hz)	50/60 (Optional)				
Operating Phase	Three Phase				
Rated AC Grid Output Current (A)	43.5	47.8	50.7	58	65.2
Max.AC Output Current (A)	47.8	52.8	55.8	63.8	71.7
Output Power Factor	0.8 Leading to 0.8 Lagging				
Grid Current (THD)	<3%				
DC Injection Current (A)	<0.5%				
Grid Frequebcy Range	47-52 OR 57-62 (Optional)				
EFFICIENCY					
Max.EFFICIENCY	98.3%				
Euro EFFICIENCY	97.5%				
MPPT EFFICIENCY	>99%				
PROTECTION					
DC Reverse-Polarity Protection	Yes				
AC Short Circuit Protection	Yes				
AC Output Over Current Protection	Yes				
Insulation Resistance Protection	Yes				
Ground Fault Monitoring	Yes				
Surge Protection	Yes				
Anti-islanding	Yes				
Temperature Protection	Yes				
Integrated DC Switch	Yes				
GENERAL DATA					
Szie (mm)	647*537*303.5				
Weight (Kg)	45				
Topology	Transformerless				
Internal Consumption	<2W (Night)				
Running Temperature	-25°C to 65°C				
Ingress Protection	IP65				
Noise Emission (Typical)	<35dB				
Cooling Concept	Natural Cooling				
Max.Operating Altitude Without Derating	2000m				
Designed Lifetime	>20 Years				
Grid Connection Standard	EN504.8, IEC61727, VDE4105, NB/T32004(CQC), IEC62109-1-2				
Operating Surrounding Humidity	0-100%				
Safety EMC / Standard	IEC 61727, 62116, 60068, 61683, IEC / EN62109-1/2, EN50549,IEC61000-6-1,61000-6-3,61000-3-11,61000-3-12				
FEATURES					
DC Connection	MC4 Mateable				
AC Connection	IP65 Rated Plug				
Display	LED1602/ LED240X160/ LCD1602				
Interface	RS485/RS232/WiFi/LAN/GPRS (optional)*				