

SINGLE PHASE



APS Single MPPT 3.6 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	3.6 KW	4.2 KW	5 KW	6 KW
Energy Source	GRID-CONNECTED PV			
INPUT(PV)				
Max. Recommended DC Power [KW]	4950	6000	6000	6000
Max. DC Voltage [V]	550			
Nominal DC Operating Voltage [V]	360			
Max. Input Current [A]	20			
Max. Short Circuit Current [A]	26			
MPPT Voltage Range [V]	50 ~ 550			
MPPT Voltage Range (Full Load) [V]	220 ~ 500	275 ~ 500	320 ~ 500	360 ~ 500
Start-up Voltage [V]	60			
No. of MPP Trackers	1			
Strings per MPP Tracker	1			
INPUT(AC)				
Nominal AC Power [w]	3600	4600	5000	6000
Max. AC Apparent Power [VA]	3960	5060	5000	6000
Rated Grid Voltage (AC Vol. Range) [Vac]	220/ 230/ 240			
Rated Grid Frequency [Hz]	50/60			
Nominal AC current [A]	15.7	20.0	23.0	26.1
Max. AC current [A]	17.2	22.0	25.3	26.1
Displacement Power Factor	1 (0.8 leading ~ 0.8 lagging)			
Total Harmonic Distortion (THDi) [%]	<3			
EFFICIENCY				
MPPT Efficiency [%]	99.0	99.0	99.0	99.0
Euro-efficiency [%]	96.5	96.8	96.8	96.8
Max. Efficiency [%]	97.6	97.8	97.8	97.8
PROTECTION				
DC Reverse-polarity Protection	YES			
Anti-islanding Protection	YES			
Insulation Monitoring	YES			
Residual-current Monitoring	YES			
AC Short Circuit Protection	YES			
AC Output Over Current Protection	YES			
AC Output Over Voltage Protection	III (AC) , II (PV)			
Surge Protection	DC/AC : Type II (Optional)			
Temperature Protection	YES			
AFCI Protection	Optional			
Integrated DC Switch	Optional			
GENERAL DATA				
Dimensions (W*H*D) [mm]	314*221*139			
Weight [kg]	7.5			
Cooling Method	Natural Convection			
Topology	Non-isolated			
Noise Emission (typical) [dB]	<35			
Max. Operating Altitude[m]	3000 (>2000 Derating)			
Operating Temperature Range [°C]	-25 ~ 60			
Humidity [%]	0 ~ 100 (No Condensation)			
Protection Degree	IP65			
Internal Consumption at Night [W]	< 1			
Monitoring Module: WIFI / GPRS	Optional			
Communication	RS485, Meter/CT, ISO alarm			
Display	LCD, Touch Key, App, Website			
STANDARD COMPLIANCE				
Safety	IEC 62109-1/2			
EMC	IEC 61000-6-1; IEC 61000-6-2; IEC 61000-6-3			
Certification	EN 50549; C10/11; IEC 61727; ABNT NBR 16149/16150; IEC62116			