



India's own wide range Energy Solutions

Single Phase & Three Phase ONGRID & HYBRID INVERTER



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In House
MFG. Unit



3 LEVEL
Service Support

Model	4kW	4.6kW	5kW	5.3kW	6kW		
Input Side							
Max. DC Input Power (kW)	5.2	5.5	6.5	6.5	7.8		
Max. DC Input Voltage (V)	550			550/600			
Start-up DC Input Voltage (V)	80			80			
MPPT Operating Range (V)	70~500			70~550			
Max. DC Input Current (A)		20/20	20	20/20	20	20/20	
Max. Short Circuit Current (A)		30/30	30	30/30	30	30/30	
No.of MPP Trackers		1	1	2	2	1	2
No.of Strings per MPP Tracker	1						
Output Side							
Rated Output Power (kW)	4	4.6	5	5.3	6		
Max. Active Power (kW)	4.4	4.6	5.5	5.5	6/6.6		
Nominal Output Voltage / Range (V)	L/N/PE 220/230V (Optional)						
Rated Grid Frequency (Hz)	50 / 60 (Optional)						
Operating Phase	Single phase						
Rated AC Grid Output Current (A) (230V)	17.4	20	21.73	23.04	26.08		
Max. AC Output Current (A) (230V)	19.13	20	23.91	23.91	26.08		
Output Power Factor	1 (0.8 Lead to 0.8 Lag)						
Grid Current THD	<3%						
DC Injection Current (mA)	<0.5%						
Grid Frequency Range	50/60Hz (±5)						
Efficiency							
Max. Efficiency	97.5%						
Euro Efficiency	97.3%						
MPPT Efficiency	>99%						
Protection							
DC Reverse-Polarity Protection	Yes						
AC Short Circuit Protection	Yes						
AC Output Overcurrent Protection	Yes						
Output Overvoltage Protection	Yes						
Insulation Resistance Protection	Yes						
Ground Fault Monitoring	Yes						
Anti-islanding Protection	Yes						
Temperature Protection	Yes						
Integrated DC Switch	Yes (Optional)						
Remote software update	Yes						
Remote change of operating parameters	Yes						
Surge protection	DC Type II / AC Type II						
General Data							
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25~65°C, >45°C derating						
Ingress Protection	IP65						
Noise Emission (Typical)	<35 dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	2000m						
Warranty	10 Years, 1 Year on Accessories (Logger & ZED)						
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11						
Operating Surroundings Humidity	0-100%						
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2						
Dimension (MM)	280x272x184	330x323x190					
Weight (Kg)	5	7.5					
Features							
DC Connection	MC-4 mateable						
AC Connection	IP65 rated plug						
Display	LCD1602						
Interface	RS485/RS232/Wifi/LAN						

*Specification are subject to change without prior notice due to constant improvement in design & technology.