

Model	1.5kW	2.2kW	2.5kW	3kW	3.3kW	3.6kW
Input Side						
Max. DC Input Power (kW)	2	2.6	3.3	3.9	4.29	4.6
Max. DC Input Voltage (V)	550					
Start-up DC Input Voltage (V)	80					
MPPT Operating Range (V)	70~500					
Max. DC Input Current (A)	20					
Max. Short Circuit Current (A)	30					
No.of MPP Trackers	1					
No.of Strings per MPP Tracker	1					
Output Side						
Rated Output Power (kW)	1.5	2	2.5	3	3.3	3.6
Max. Active Power (kW)	1.65	2.2	2.75	3.3	3.6	3.6
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)	6.5	8.7	10.9	13	14.3	15.65
Max. AC Output Current (A) (230V)	7.2	9.6	12	14.3	15.65	15.65
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	97.3%			97.5%		
Euro Efficiency	97.1%			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					
Weight (Kg)	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.