

Model	5kW	6kW	8kW	10kW	12kW	15kW
Input Side						
Max. DC Input Power (kW)	6.5	7.8	10.4	13	15.6	19.5
Max. DC Input Voltage (V)	1100					
Start-up DC Input Voltage (V)	180					
MPPT Operating Range (V)	200~1000					
Max. DC Input Current (A)	(20+20)					(20+30)/(20+26)
Max. Short Circuit Current (A)	(30+30)					(30+36)/(30+39)
No.of MPP Trackers	2					
No.of Strings per MPP Tracker	1					1+2
Output Side						
Rated Output Power (kW)	5	6	8	10	12	15
Max. Active Power (kW)	5.5	6.6	8.8	11	13.2	16.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three phase					
Rated AC Grid Output Current (A)	7.2	8.7	11.6	14.5	17.4	21.7
Max. AC Output Current (A)	8	9.6	12.8	15.9	19.1	23.9
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	98.2%		98.3%			98.5%
Euro Efficiency	97.26%		97.8%			98%
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					
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)	<30 dB					<40 dB
Cooling Concept	Natural cooling					Smart 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)	330x457x185					333x472x202
Weight (Kg)	10					15
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.