

Model	20kW	25kW	30kW
Input Side			
Max. DC Input Power (kW)	26	32.5	39
Max. DC Input Voltage (V)	1100		
Start-up DC Input Voltage (V)	250		
MPPT Operating Range (V)	200~850		
Max. DC Input Current (A)	(40*2)/(30*2)	(30+30)/(40+30)	(40*2+20)/(40*2)
Max. Short Circuit Current (A)	(39*2)/(40*2)	(64+64)/(60+40)	(50*2+24)/(64*2)
No.of MPP Trackers	2	3/2	
No.of Strings per MPP Tracker	2	2+2+1/3	
Output Side			
Rated Output Power (kW)	20	25	30
Max. Active Power (kW)	22	27.5	33
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)	29	36.2	43.5
Max. AC Output Current (A)	31.9	39.9	7.9
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	98.6%		
Euro Efficiency	97.8%		
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)	<40 dB		
Cooling Concept	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)	362x527x220	326x577x215	
Weight (Kg)	20	25.5	
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.