

Technical Specifications of the Inverter

NO.	TECHNICAL DESCRIPTION	REQUIREMENTS DATA
Input (DC)		
1	Max. Input Voltage	1500 V
2	Min input voltage/ Start Voltage	550 V
3	Nominal input voltage	1080 V
4	Number of MPPT	12
5	Max. number of input per MPPT	2
6	Max. Current per MPPT	40 A
7	Max. Short Circuit Current per MPPT	60 A
8	MPPT Operating Voltage Range	500 ~ 1500 V
Output (AC)		
9	Nominal AC Output Power	≥350 kVA
10	Max. Output Current	254 A
11	Nominal Output Current	231 A
12	Nominal Output Voltage	3/PE , 800 V
12	AC Voltage Range	640- 920 V
13	Rated AC Grid Frequency	50 Hz
14	Adjustable Power Factor Range	0.8 LG ... 0.8 LD
Protection		
15	Smart String-level Disconnection (SSLD)	Yes
16	Smart Connector-level Detection (SCLD)	Yes
17	AC Overcurrent Protection	Yes
18	DC Reverse-polarity Protection	Yes
19	PV-array String Fault Detection	Yes
20	DC Surge Arrester	Type II
21	AC Surge Arrester	Type II
22	DC Insulation Resistance Detection	Yes
23	Residual Current Detection Unit	Yes
Communication		
24	Display	LED indicators; WLAN adaptor

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25	USB	Yes
26	MBUS	Yes
27	RS485	Yes
General		
28	Dimensions (W x H x D)	1136*870*361
29	Weight	By vendor
30	Operating Temperature Range	-30 ~ +60 °C
31	Cooling Method	Smart Air Cooling
32	Max. Operating Altitude without Derating	4000 m
33	Relative Humidity	0 ~ 100%
34	DC Connector	MC4/ EVO2 connector
35	AC Connector	OT terminal (max. 400mm ²)
36	Protection Degree	≥IP66
37	Topology	Transformerless