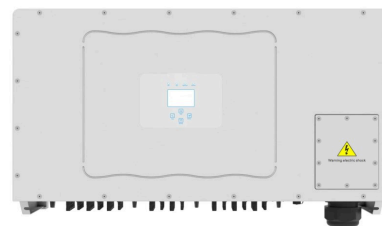


INVERTERS

SUN-120-136K-G01P3-EU-AM8

String inverter · Three-phase · 120 – 136 kW · 5 models


120 – 136 kW

RATED POWER

Three-phase

PHASE

8

MPPT TRACKERS

98.8 %

MAX. EFFICIENCY

Parameter	Unit	SUN-120K-G01P3-EU-AM8	SUN-125K-G01P3-EU-AM8	SUN-130K-G01P3-EU-AM8	SUN-135K-G01P3-EU-AM8	SUN-136K-G01P3-EU-AM8
PV input						
Max. PV input power	W	180000	187500	195000	202500	204000
Max. PV input voltage	V	1100				
Rated PV input voltage	V	600				
MPPT voltage range	V	200 – 1000				
Start-up voltage	V	250				
Max. input current per MPPT	A	40				
Max. short-circuit current per MPPT	A	60				
Number of MPPT trackers		8				
PV strings per MPPT		4				
AC output						
Rated output power	W	120000	125000	130000	135000	136000
Max. apparent power	VA	132000	135000			136000
Rated AC voltage	V	400				
Rated AC voltage options and range		220/380 V; 230/400 V; range 0.85 Un-1.1 Un				
Rated AC output current	A	174	181.2	188.5	195.7	197.2
Max. AC output current	A	191.4	195.7			197.2
Phase		Three-phase				
Grid connection type		3L/N/PE				
Rated AC frequency	Hz	50/60				
Rated AC frequency and range		50 Hz (45-55 Hz); 60 Hz (55-65 Hz)				
Power factor		0.8 leading to 0.8 lagging				
Total harmonic distortion (THDi)	%	<3				
DC injection current		<0.5% In				

Parameter	Unit	SUN-120K-G01P3-EU-AM8	SUN-125K-G01P3-EU-AM8	SUN-130K-G01P3-EU-AM8	SUN-135K-G01P3-EU-AM8	SUN-136K-G01P3-EU-AM8
Efficiency						
Max. efficiency	%	98.8				
European efficiency	%	98.2				
MPPT efficiency	%	>99				
Protection						
Protection functions		DC reverse polarity protection; AC output overcurrent protection; AC output overvoltage protection; AC output short circuit protection; Thermal protection; Insulation impedance detection; DC component monitoring; Arc fault circuit interrupter (AFCI)(optional); Anti-PID function (optional); Anti-islanding protection; Residual current detection; Type II DC surge protection; Type II AC surge protection; DC switch				
General data						
Dimensions (W x H x D)	mm	1006 × 516 × 325.5				
Weight	kg	103				
Ingress protection (IP rating)		IP65				
Operating temperature range	°C	-25 – 60				
Power derating starts above	°C	45				
Relative humidity	%	0 – 100				
Max. operating altitude	m	4000				
Noise level	dB	≤65				
Cooling		Intelligent air cooling				
Topology		Non-isolated				
Overvoltage category		OVC II (DC), OVC III (AC)				
Warranty	years	5				
Communication						
Communication interfaces		RS485; RS232				
Monitoring		GPRS / Wi-Fi / Bluetooth / 4G / LAN (optional)				
Certifications						
Certifications and standards		IEC/EN 61000-6-1/2/3/4; IEC/EN 62109-1; IEC/EN 62109-2				
Grid codes		IEC 61727; IEC 62116; CEI 0-21; EN 50549; NRS 097; RD 140; UNE 217002; OVE-Richtlinie R25; G99; VDE-AR-N 4105				

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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