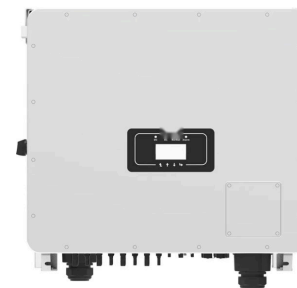


INVERTERS

SUN-60-80K-G04P3-EU-AM4

String inverter · Three-phase · 60 – 80 kW · 4 models


60 – 80 kW

RATED POWER

Three-phase

PHASE

4

MPPT TRACKERS

98.6 – 98.7 %

MAX. EFFICIENCY

Parameter	Unit	SUN-60K-G04P3-EU-AM4	SUN-70K-G04P3-EU-AM4	SUN-75K-G04P3-EU-AM4	SUN-80K-G04P3-EU-AM4
PV input					
Max. PV input power	W	90000	105000	112500	120000
Max. PV input voltage	V	1100			
Start-up voltage	V	250			
MPPT voltage range	V	200 – 1000			
Rated PV input voltage	V	600		720	
Max. input current per MPPT	A	40			
Max. short-circuit current per MPPT	A	60			
Number of MPPT trackers		4			
PV strings per MPPT		3	4		
AC output					
Rated output power	W	60000	70000	75000	80000
Max. apparent power	VA	66000	77000	82500	88000
Rated AC voltage	V	400			
Rated AC voltage options	V	220/380; 230/400			
AC voltage range		0.85 Un-1.1 Un			
Phase		Three-phase			
Grid connection form		3L / N / PE			
Rated AC output current	A	87	101.5	108.7	115.9
Rated AC output current at 380 V line voltage	A	90.9	106.1	113.6	121.2
Max. AC output current	A	95.7	111.6	119.6	127.5
Max. AC output current at 380 V line voltage	A	100	116.7	125	133.3
Rated AC frequency	Hz	50/60			

Parameter	Unit	SUN-60K-G04P3-EU-AM4	SUN-70K-G04P3-EU-AM4	SUN-75K-G04P3-EU-AM4	SUN-80K-G04P3-EU-AM4
AC grid frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65			
Power factor		0.8 leading to 0.8 lagging (adjustable)			
Total harmonic distortion (THDi)	%	<3			
DC injection current		<0.5% In			
Efficiency					
Max. efficiency	%	98.6	98.7		
European efficiency	%	98	98.1		
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-islanding protection; Residual current detection; DC switch			
Surge protection level		Type II (DC), Type II (AC)			
Anti-PID function		Optional			
General data					
Dimensions (W x H x D)	mm	698 × 613 × 236.5			
Weight	kg	53.7			
Ingress protection (IP rating)		IP65			
Operating temperature range	°C	-25 – 60			
Power derating above	°C	45			
Relative humidity	%	0 – 100			
Max. operating altitude	m	4000			
Noise level	dB	≤55			
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)			
String intelligent monitoring		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.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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