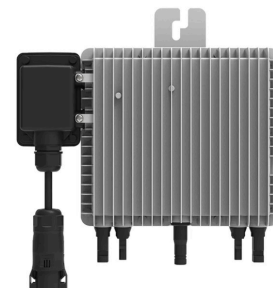


INVERTERS

SUN-M60-100G4-EU-Q0-P

Microinverter · Single-phase · 0.6 – 1 kW · 3 models


0.6 – 1 kW

RATED POWER

Single-phase

PHASE

2

MPPT TRACKERS

96.5 %

MAX. EFFICIENCY

Parameter	Unit	SUN-M60G4-EU-Q0-P	SUN-M80G4-EU-Q0-P	SUN-M100G4-EU-Q0-P
PV input				
Recommended PV module power	W	210 – 420	210 – 560	210 – 700
Number of connectable PV modules		2		
Max. PV input voltage	V	60		
Rated PV input voltage	V	42.5		
MPPT voltage range	V	25 – 55		
Start-up voltage	V	20		
Max. input current per MPPT	A	18		
Max. short-circuit current per MPPT	A	27		
Number of MPPT trackers		2		
PV strings per MPPT		1		
AC output				
Rated output power	W	600	800	1000
Max. apparent power	VA	600	800	1000
Rated AC voltage	V	230		
Rated AC output current	A	2.7	3.5	4.4
Max. AC output current	A	2.7	3.5	4.4
Phase		Single-phase		
Rated AC frequency	Hz	50/60		
Power factor		0.9 leading to 0.9 lagging (adjustable)		
Total harmonic distortion (THDi)	%	<3		
Max. units per AC branch		8	6	5
AC voltage range		0.85 Un-1.1 Un		
Grid connection		L/N/PE		

Parameter	Unit	SUN-M60G4-EU-00-P	SUN-M80G4-EU-00-P	SUN-M100G4-EU-00-P
AC grid frequency range		50 Hz: 45-55 Hz; 60 Hz: 55-65 Hz		
DC injection current		<0.5% In		
Efficiency				
Max. efficiency	%	96.5		
European efficiency	%	96		
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; Anti-islanding protection; AC surge protection (Type II)		
Other safety features		Rapid shutdown function; AC fast discharge <100 ms (meets DIN VDE V 0126-95, <200 ms); NS protection with self-check function		
General data				
Dimensions (W x H x D)	mm	280.5 × 190 × 40		
Weight	kg	3		
Ingress protection (IP rating)		IP67		
Operating temperature range	°C	−40 – 65		
Power derating above	°C	45		
Relative humidity	%	0 – 100		
Max. operating altitude	m	2000		
Cooling		Natural cooling		
Noise level	dB	≤25		
Topology		Isolated		
Overvoltage category		OVC II (DC); OVC III (AC)		
Warranty	years	15		
Design lifetime	years	25		
Communication				
Communication interfaces		Wi-Fi		
Monitoring		Module-level monitoring		
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; G98; 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.

E-mail lidreamtec@163.com
WhatsApp +86 133 5280 0772