

INVERTERS

S6-E01P(4-5)K-48-EU

Off-grid inverter · Single-phase · 4 – 5 kW · 2 models


4 – 5 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

96.6 %

MAX. EFFICIENCY

Parameter	Unit	S6-E01P4K-48-EU	S6-E01P5K-48-EU
PV input			
Max. usable PV input power	W	5500	6500
Max. PV input voltage	V	500	
Rated PV input voltage	V	360	
Start-up voltage	V	90	
MPPT voltage range	V	90 – 430	
Max. input current per MPPT	A	16	
Max. short-circuit current per MPPT	A	40	
Max. PV charge current	A	100	
Number of MPPT trackers		1	
PV strings per MPPT		2	
AC output			
Rated output power	W	4000	5000
Max. apparent power	VA	4000	5000
Rated AC voltage	V	230	
Rated grid voltage tolerance	%	+/-1	
Phase		Single-phase	
Rated AC frequency	Hz	50/60	
Rated grid frequency tolerance	%	+/-0.1	
Max. AC output current	A	20	25
Peak (surge) power	W	8000	10000
Peak power duration	s	10	
Output waveform		Pure sine wave	
Grid / off-grid switching time		10 ms (max. 20 ms)	

Parameter	Unit	S6-E01P4K-48-EU		S6-E01P5K-48-EU	
Total voltage harmonic distortion (THDv)	%	<3			
Generator input		Yes			
Max. AC input power (grid port and generator port)	W	6000		7000	
AC input rated voltage	V	230			
AC input voltage range	V	90 – 280			
AC input frequency range	Hz	50/60			
Max. AC input current	A	26		30	
Max. AC charge current	A	60		80	
Max. parallel units		6			
Battery					
Battery type		Lithium battery / Lead-acid battery			
Battery voltage range	V	40 – 60			
Max. charge power	W	5000			
Max. discharge power	W	5000			
Max. charge current	A	100			
Max. discharge current	A	100			
Battery communication		CAN			
Efficiency					
Max. efficiency	%	96.6			
Protection					
Protection functions		AC output over-current protection; AC output over-voltage protection; AC short-circuit protection; Surge protection; Temperature protection; DC arc-fault protection (optional)			
General data					
Dimensions (W x H x D)	mm	340 × 495 × 170			
Weight	kg	14.1			
Topology		High-frequency, non-isolated			
Relative humidity	%	5 – 95			
Operating temperature range	°C	–10 – 60			
Storage temperature	°C	–25 – 60			
Ingress protection (IP rating)		IP21			
Noise level	dB	<55			
Max. operating altitude	m	2000			
DC port		Terminal block			
AC port		Terminal block			
Communication					
Display		LCD			
Communication interfaces		CAN; BMS; Dry contact; Bluetooth; Wi-Fi (optional)			

Parameter	Unit	S6-E01P4K-48-EU	S6-E01P5K-48-EU
Certifications			
Certifications and standards		IEC 62109; IEC 61000; 55011	

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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