

INVERTERS

SPF 6000 ES Lite

Off-grid inverter · Single-phase · 6 kW


6 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

93 %

MAX. EFFICIENCY

Parameter	Unit	SPF 6000 ES Lite
PV input		
Max. PV input power	W	8000
Max. PV input voltage	V	500
MPPT voltage range	V	75 – 450
Start-up voltage	V	120
Max. input current per MPPT	A	30
Number of MPPT trackers		1
PV strings per MPPT		1
Max. solar charge current	A	100
AC output		
Rated output power	W	6000
Max. apparent power	VA	6000
Rated AC voltage	V	230
AC voltage regulation (battery mode)	%	+/-5
Phase		Single-phase
Rated AC frequency	Hz	50/60
Surge power	VA	12000
Output waveform		Pure sine wave
Transfer time		10 ms typical; 20 ms max.
Parallel capability		Not supported
Number of AC outputs		2 (smart load function)
Max. AC charge current	A	80
AC input voltage	V	230
AC input selectable voltage range		170-280 VAC (for personal computers); 90-280 VAC (for home appliances)

Parameter	Unit	SPF 6000 ES Lite
AC input frequency range		50 Hz / 60 Hz (auto sensing)
Battery		
Battery type		Lithium / Lead-acid
Nominal battery voltage	V	48
Efficiency		
Max. efficiency	%	93
General data		
Dimensions (W x H x D)	mm	365 × 275 × 120
Weight	kg	8.5
Ingress protection (IP rating)		IP20
Operating temperature range	°C	0 – 55
Storage temperature	°C	–15 – 60
Relative humidity	%	5 – 95
Max. operating altitude	m	<2000
Warranty	years	2
Certifications		
Certifications and standards		CE

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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