

INVERTERS

SPF 3000TL LVM-ES

Off-grid inverter · Single-phase · 3 kW


3 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

90 %

MAX. EFFICIENCY

Parameter	Unit	SPF 3000TL LVM-ES
PV input		
Max. PV input power	W	4000
Max. PV input voltage	V	250
MPPT voltage range	V	120 – 250
Number of MPPT trackers		1
PV strings per MPPT		1
Max. PV charge current	A	80
AC output		
Rated output power	W	3000
Max. apparent power	VA	3000
Rated AC voltage	V	120
Nominal output voltage options (battery mode)	V	100 / 110 / 120
Phase		Single-phase
Rated AC frequency	Hz	50/60
Peak (surge) power	W	6000
Output waveform		Pure sine wave
Max. parallel units		6
Parallel application		Split-phase
Transfer time		10 ms typical; 20 ms max.
AC input voltage	V	120
AC input selectable voltage range		95-140 VAC (for personal computers); 65-140 VAC (for home appliances)
AC input frequency range		50 Hz / 60 Hz (auto sensing)
AC charge current	A	40

Parameter	Unit	SPF 3000TL LVM-ES
Battery		
Battery type		Lithium / Lead-acid
Nominal battery voltage	V	48
Efficiency		
Max. efficiency	%	90
Protection		
Protection functions		DC over/under voltage; PV over/under voltage; AC over/under voltage; BUS over/under voltage
General data		
Dimensions (W x H x D)	mm	320 × 470 × 135
Weight	kg	12
Ingress protection (IP rating)		IP20
Operating temperature range	°C	0 – 50
Storage temperature range	°C	–15 – 60
Relative humidity	%	5 – 95
Communication		
Monitoring		Optional Wi-Fi / GPRS remote monitoring

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

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