

INVERTERS

SPF 3000TL LVM

Off-grid inverter · Single-phase · 3 kW · 2 models


3 kW

RATED POWER

Single-phase

PHASE

93 %

MAX. EFFICIENCY

11 kg

WEIGHT

Parameter	Unit	SPF 3000TL LVM-24P	SPF 3000TL LVM-48P
PV input			
Max. PV input power	W	2000	4500
Max. PV input voltage	V	145	
MPPT voltage range	V	30 – 115	60 – 115
Max. PV charge current	A	80	
AC output			
Rated output power	W	3000	
Max. apparent power	VA	3000	
Rated AC voltage	V	120	
Phase		Single-phase	
Rated AC frequency	Hz	50/60	
AC voltage regulation (battery mode)	%	+/-5	
Peak (surge) power	W	6000	
Output waveform		Pure sine wave	
Max. parallel units		6	
Transfer time		10 ms (for personal computers); 20 ms (for home appliances)	
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	60	40
Battery			
Battery type		Lead-acid	Lithium / Lead-acid
Nominal battery voltage	V	24	48

Parameter	Unit	SPF 3000TL LVM-24P	SPF 3000TL LVM-48P
Efficiency			
Max. efficiency	%	93	
Solar charger max. efficiency	%	97	
General data			
Dimensions (W x H x D)	mm	350 × 455 × 130	
Weight	kg	11	
Operating temperature range	°C	0 – 55	
Storage temperature range	°C	–15 – 60	
Relative humidity	%	5 – 95	
Standby power consumption	W	2	
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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