

INVERTERS

SPF 2000-5000TL HVM

Off-grid inverter · Single-phase · 2 – 5 kW · 6 models


2 – 5 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

93 %

MAX. EFFICIENCY

Parameter	Unit	SPF 2000TL HVM-24	SPF 3000TL HVM-24	SPF 2000TL HVM-48	SPF 3000TL HVM-48	SPF 5000TL HVM	SPF 5000TL HVM-P
PV input							
Max. PV input power	W	1500		1800		4500	
Max. PV input voltage	V	102		145			
MPPT voltage range	V	30 – 80		60 – 115			
Number of MPPT trackers				1			
PV strings per MPPT				1			
Max. PV charge current	A	50		30		80	
AC output							
Rated output power	W	2000	3000	2000	3000	5000	
Max. apparent power	VA	2000	3000	2000	3000	5000	
Rated AC voltage	V	230		230			
Phase		Single-phase		Single-phase			
Rated AC frequency	Hz	50/60		50/60			
AC voltage regulation (battery mode)	%	+/-5		+/-5			
Peak (surge) power	W	4000	6000	4000	6000	10000	
Output waveform		Pure sine wave		Pure sine wave			
Max. parallel units				–			6
Transfer time		10 ms typical; 20 ms max.		10 ms typical; 20 ms max.			
AC input voltage	V	230		230			
AC input selectable voltage range		170-280 VAC (for personal computers); 90-280 VAC (for home appliances)		170-280 VAC (for personal computers); 90-280 VAC (for home appliances)			
AC input frequency range		50 Hz / 60 Hz (auto sensing)		50 Hz / 60 Hz (auto sensing)			
AC charge current	A	30		15		60	

Parameter	Unit	SPF 2000TL HVM-24	SPF 3000TL HVM-24	SPF 2000TL HVM-48	SPF 3000TL HVM-48	SPF 5000TL HVM	SPF 5000TL HVM-P
Battery							
Battery type		Lithium / Lead-acid					
Nominal battery voltage	V	24		48			
Efficiency							
Max. efficiency	%	93					
Solar charger max. efficiency	%	98					
General data							
Dimensions (W x H x D)	mm	315 × 400 × 130				350 × 455 × 130	
Weight	kg	8	8.5	8	8.5	11.5	
Ingress protection (IP rating)		IP20					
Operating temperature range	°C	0 – 55					
Storage temperature range	°C	–15 – 60					
Relative humidity	%	5 – 95					
Max. operating altitude	m	<2000					
Communication							
Monitoring		Optional Wi-Fi / GPRS remote monitoring					

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