

INVERTERS

SPF 3000-6000T HVM-G2

Off-grid inverter · Single-phase · 3 – 6 kW · 2 models


3 – 6 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

93.5 – 94 %

MAX. EFFICIENCY

Parameter	Unit	SPF 3000T HVM-G2	SPF 6000T HVM-G2
PV input			
Max. PV input power	W	4500	7000
Max. PV input voltage	V	250	
MPPT voltage range	V	60 – 200	
Number of MPPT trackers		1	2
PV strings per MPPT		1	
Max. PV charge current	A	80	120
AC output			
Rated output power	W	3000	6000
Rated AC voltage	V	230	
Nominal output voltage options (RMS)	V	208 / 220 / 230 / 240	
Phase		Single-phase	
Rated AC frequency	Hz	50/60	
Output frequency tolerance	Hz	±0.5	
Peak (surge) power	W	9000	18000
Output waveform		Pure sine wave (same as input in bypass mode)	
Max. parallel units		6	
Parallel system type		Single-phase and three-phase	
Transfer time		10 ms	
Max. AC input current	A	30	50
AC input voltage	V	230	
AC input selectable voltage range		184-272 VAC (UPS); 154-272 VAC (APL, appliances)	
AC input frequency range		50 Hz / 60 Hz (auto sensing)	
Max. AC charge current	A	40	60

Parameter	Unit	SPF 3000T HVM-G2	SPF 6000T HVM-G2
Battery			
Battery type		Lithium / Lead-acid	
Nominal battery voltage	V	48	
Efficiency			
Max. efficiency	%	94	93.5
Solar charger max. efficiency	%	97	
General data			
Dimensions (W x H x D)	mm	300 × 550 × 225	365 × 650 × 247
Weight	kg	27	38.5
Ingress protection (IP rating)		IP20	
Operating temperature range	°C	-20 - 50	
Max. operating altitude	m	<2000	
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.

E-mail lidreamtec@163.com
WhatsApp +86 133 5280 0772