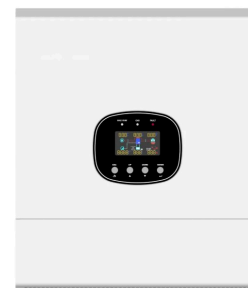


INVERTERS

SPE 3.5-7KTL HVM-G2

Hybrid inverter · Single-phase · 3.5 – 7 kW · 4 models


3.5 – 7 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

96.5 %

MAX. EFFICIENCY

Parameter	Unit	SPE 3500TL HVM-24G2	SPE 5000TL HVM-G2	SPE 6000TL HVM-G2	SPE 7000TL HVM-G2
PV input					
Max. PV input power	W	4000	5000	8000	
Max. PV input voltage	V	500			
MPPT voltage range	V	60 – 450			
Start-up voltage	V	80			
Max. input current per MPPT	A	22		16	
Max. short-circuit current per MPPT	A	28		22	
Number of MPPT trackers		1		2	
PV strings per MPPT		1		2	
AC output					
Rated output power	W	3500	5000	6000	7000
Max. apparent power	VA	3500	5000	6000	7000
Rated AC voltage	V	230			
Rated AC output current	A	15.2	21.8	26.1	30.4
Phase		Single-phase			
Rated AC frequency	Hz	50/60			
Total harmonic distortion (THDi)	%	<5			
Power factor		0.8 leading to 0.8 lagging			
Backup output power	W	3500	5000	6000	7000
Generator input		Yes			
Max. parallel units		-	9		
Backup nominal AC output voltage	V	230			
Backup nominal AC output frequency	Hz	50/60			

Parameter	Unit	SPE 3500TL HVM-24G2	SPE 5000TL HVM-G2	SPE 6000TL HVM-G2	SPE 7000TL HVM-G2
Backup switch time		10 ms typical, max. 20 ms	10 ms typical, RCD 20 ms max (single unit); <30 ms (parallel)		
Battery					
Nominal battery voltage	V	24	48		
Battery voltage range	V	20 – 32	40 – 60		
Battery overcharge protection voltage	V	32	60		
Efficiency					
Max. efficiency	%	96.5			
European efficiency	%	95.5			
General data					
Dimensions (W x H x D)	mm	370 × 430 × 125		422 × 460 × 125	
Weight	kg	10.5	10.8	13.5	13.8
Operating temperature range	°C	–20 – 50			
Topology		Transformerless			
Cooling		DC fan			
Ingress protection (IP rating)		IP20			
Relative humidity	%	5 – 95			
Max. operating altitude	m	<2000			
Communication					
Communication interfaces		Wi-Fi; 4G			

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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