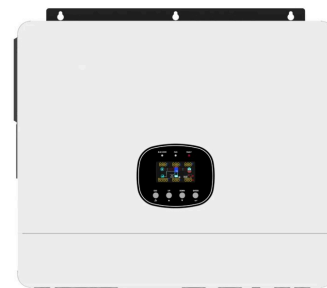


INVERTERS

SPE 8000-12000 ES

Hybrid inverter · Single-phase · 8 – 12 kW · 3 models


8 – 12 kW

RATED POWER

Single-phase

PHASE

2

MPPT TRACKERS

96.5 %

MAX. EFFICIENCY

Parameter	Unit	SPE 8000 ES	SPE 10000 ES	SPE 12000 ES
PV input				
Max. PV input power	W	10000	12500	15000
Max. PV input voltage	V	550		
MPPT voltage range	V	60 – 480		
Start-up voltage	V	120		
Max. input current per MPPT	A	27		
Max. short-circuit current per MPPT	A	34		
Number of MPPT trackers		2		
PV strings per MPPT		1		
AC output				
Rated output power	W	8000	10000	12000
Max. apparent power	VA	8000	10000	12000
Rated AC voltage	V	230		
Rated AC output current	A	34.8	43.5	52.2
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	8000	10000	12000
Nominal AC output voltage (backup)	V	230		
Nominal AC output frequency (backup)	Hz	50/60		
Switch time		<20 ms (single unit); <30 ms (parallel)		
Number of AC input terminals		2 (with integrated transfer switch)		
Max. parallel capacity	kW	108		

Parameter	Unit	SPE 8000 ES		SPE 10000 ES	SPE 12000 ES
Battery					
Battery type		Lithium or lead-acid			
Nominal battery voltage	V	48			
Max. charge current	A	190	220	250	
Max. discharge current	A	200	240	280	
Efficiency					
Max. efficiency	%	96.5			
European efficiency	%	95.5			
General data					
Dimensions (W x H x D)	mm	550 × 465 × 150			
Weight	kg	21.5			
Operating temperature range	°C	−10 – 50			
Relative humidity	%	5 – 95			
Max. operating altitude	m	<2000			
Noise level	dB	<75			
Night-time power consumption	W	<75			
Topology		Transformerless			
Cooling		DC fan			
Ingress protection (IP rating)		IP20			
Communication					
Communication interfaces		Wi-Fi; 4G			
Certifications					
Certifications and standards		CE			
Grid codes		NRS 097			

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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