

INVERTERS

S6-EA1P(3.6-6)K-L

Hybrid inverter · Single-phase · 3.6 – 6 kW · 4 models


3.6 – 6 kW

RATED POWER

Single-phase

PHASE

>93.5 %

MAX. EFFICIENCY

IP66

PROTECTION CLASS

Parameter	Unit	S6-EA1P3.6K-L	S6-EA1P4.6K-L	S6-EA1P5K-L	S6-EA1P6K-L
AC output					
Rated output power	W	3600	4600	5000	6000
Max. apparent power	VA	3600	4600	5000	6000
Rated AC voltage	V	230			
Rated AC output current	A	15.7	20	21.8	26.1
Phase		Single-phase			
Rated AC frequency	Hz	50/60			
Max. AC output current	A	15.7	20	21.8	26.1
Total harmonic distortion (THDi)	%	<3			
Power factor		>0.99 (0.8 leading to 0.8 lagging)			
Grid voltage range	V	187 – 253			
Grid frequency range	Hz	45-55 / 55-65			
Battery					
Battery type		Lithium battery			
Battery voltage range	V	40 – 60			
Max. charge current	A	75	96	105	125
Max. discharge current	A	75	96	105	125
Battery communication		CAN			
Efficiency					
Max. efficiency	%	>93.5			

Parameter	Unit	S6-EA1P3.6K-L	S6-EA1P4.6K-L	S6-EA1P5K-L	S6-EA1P6K-L
Protection					
Protection functions		Battery reverse polarity protection; battery overvoltage and undervoltage protection; short-circuit protection; AC output overcurrent protection; temperature protection			
Protection class		Class I			
Overvoltage category		DC II / AC III			
General data					
Dimensions (W x H x D)	mm	440 × 465 × 192			
Weight	kg	19.9			
Topology		High-frequency isolation			
Operating temperature range	°C	-25 - 60			
Ingress protection (IP rating)		IP66			
Cooling		Natural cooling			
Max. operating altitude	m	4000			
DC port		Terminal block			
AC port		Quick connector			
Communication					
Display		LED indicators, Bluetooth + app			
Communication interfaces		RS485; CAN; Wi-Fi (optional); LAN (optional)			
Certifications					
Certifications and standards		IEC/EN 62109-1/-2; EN 61000-6-2/-3			
Grid codes		C10/11; 50549; G98; G99; VDE4105; AS4777.2; France			

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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