

INVERTERS

S6-EA3P(5-10)KAA-NV-ND-H

Hybrid inverter · Three-phase · 5 – 10 kW · 4 models


5 – 10 kW

RATED POWER

Three-phase

PHASE

97.32 – 97.5 %

MAX. EFFICIENCY

IP66

PROTECTION CLASS

Parameter	Unit	S6-EA3P5KAA-NV-ND-H	S6-EA3P6KAA-NV-ND-H	S6-EA3P8KAA-NV-ND-H	S6-EA3P10KAA-NV-ND-H
AC output					
Rated output power	W	5000	6000	8000	10000
Max. apparent power	VA	5000	6000	8000	10000
Rated AC voltage	V	400			
Rated AC output current	A	7.3	8.7	11.6	14.5
Phase		Three-phase			
Rated AC frequency	Hz	50/60			
Total harmonic distortion (THDi)	%	<3			
Power factor		> 0.99 (0.8 leading to 0.8 lagging)			
Rated grid output current at 380 V	A	7.6	9.1	12.2	15.2
Grid connection type		3/N/PE			
Max. AC input power (grid side)	W	5000	6000	8000	10000
Battery					
Battery type		Lithium battery			
Battery voltage range	V	120 – 700			
Max. charge current	A	25	30	40	50
Max. discharge current	A	25	30	40	50
Battery short-circuit current (Isc)	A	80			
Battery communication		CAN / RS485			
Efficiency					
Max. efficiency	%	97.32	97.34	97.5	

Parameter	Unit	S6-EA3P5KAA-NV-ND-H	S6-EA3P6KAA-NV-ND-H	S6-EA3P8KAA-NV-ND-H	S6-EA3P10KAA-NV-ND-H
Protection					
Protection functions		Anti-islanding protection; AC output overcurrent protection; Short-circuit protection; Battery reverse polarity protection; AC Type II surge protection (optional)			
Protection class / overvoltage category		Class I / OVC II (battery), OVC III (grid port)			
General data					
Dimensions (W x H x D)	mm	448 × 413 × 214			
Weight	kg	20			
Ingress protection (IP rating)		IP66			
Operating temperature range	°C	-25 – 60			
Relative humidity	%	0 – 100			
Max. operating altitude	m	4000			
Cooling		Natural air cooling			
Noise level	dB	<47			
Topology		Non-isolated			
Night-time power consumption	W	<25			
Max. single-phase load capability		50% of rated power			
DC port		Quick connector			
AC port		Quick connector			
Communication					
Communication interfaces		CAN; RS485-19200; Wi-Fi (optional); Cellular (optional); LAN (optional)			
Certifications					
Certifications and standards		IEC/EN 62109-1/-2; IEC/EN 61000-6-1/-3			
Grid codes		EN 50549-10; EN 50549-1; G98; G99; G99 NI; VDE-AR-N 4105 / VDE V 0124; C10/11			

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