

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

Solis Three Phase High Voltage AC-Coupled Inverters

Features:

- Supports six different battery charging and discharging TOU (Time of Use) settings to lower your electricity bill
- Max. charge/discharge current up to 50A
- Supports peak shaving control
- Dual RS485 port, supports remote upgrade and VPP remote control
- Real-time battery monitoring, remote upgrade, and battery healing function to prolong battery life
- Compatible with multiple brands of lithium battery models

Models:

S6-EA3P5KAA-NV-ND-H

S6-EA3P6KAA-NV-ND-H

S6-EA3P8KAA-NV-ND-H

S6-EA3P10KAA-NV-ND-H



DATASHEET

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

Models	5K	6K	8K	10K
Battery				
Battery type	Li-ion			
Battery voltage range	120 - 600 V ⁽¹⁾			
Max. charge / discharge power	5 kW	6 kW	8 kW	10 kW
Charge / discharge current	0 - 25 A		0 - 50 A	
Battery Isc	80 A			
Communication	CAN / RS485			
Output AC (Grid side)				
Rated output power	5 kW	6 kW	8 kW	10 kW
Max. apparent output power	5 kVA	6 kVA	8 kVA	10 kVA
Rated grid voltage	3/N/PE, 380 V / 400 V			
Grid voltage range	320 - 460 V			
Rated grid frequency	50 Hz / 60 Hz			
Rated grid output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A
Max. output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi	< 3%			
Input AC (Grid side)				
Max. input power	7.5 kW	9 kW	12 kW	15 kW
Rated input current	11.4 A	13.8 A	18.2 A	22.8 A
Rated input voltage	3/N/PE, 380 V / 400 V			
Rated frequency	50 Hz / 60 Hz			
Efficiency				
EU efficiency	97.51%			
BAT charged / discharged to AC max. efficiency	97.50%			
Protection				
Anti-islanding protection	Yes			
Output over current protection	Yes			
Short circuit protection	Yes			
Battery reverse protection	Yes			
Protection class / Over voltage category	I / II (Battery), III (Main)			
General Data				
Dimensions (W × H × D)	600 × 500 × 210 mm		600 × 500 × 230 mm	
Weight	24.3 kg		26.9 kg	
Topology	Transformerless			
Self-consumption (night)	< 25 W			
Operating ambient temperature range	-25 ~ +60°C (> 45°C derating)			
Relative humidity	0 - 95%			
Ingress protection	IP66			
Noise emission (typical)	< 46.9 dB(A)			
Cooling concept	Natural cooling			
Max. operation altitude	4000 m			
Grid connection standard	VDE-AR-N 4105/EN 50549-10 & EN 50549-1/EN50549SW/EN 50549FI/DK1 & DK2			
Safety standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3			
Features				
DC connection	Quick connection plug			
AC connection	Quick connection plug			
Display	LED indicator & Bluetooth + APP			
Communication	CAN, RS485, Optional: Wi-Fi, Cellular, LAN			

(1) Supports max. battery voltage to 700 V.