

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

Solis Three Phase High Voltage AC-Coupled Inverters

Features:

- Supports six distinct battery charging and discharging TOU (Time of Use) settings to lower your electricity bill
- 30 seconds of 160% overload capability
- Supports general setting options for lithium batteries, suitable for non-communication batteries
- Battery real-time monitoring , remote upgrade, and battery healing function to prolong battery life
- Supports Peakshaving features in "self-use" and "generator" modes
- Facilitates low-power standby mode to minimize overall system power usage

Models:

S6-EA3P5KAA-NV-YD-H

S6-EA3P6KAA-NV-YD-H

S6-EA3P8KAA-NV-YD-H

S6-EA3P10KAA-NV-YD-H



DATASHEET

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

Models	5K	6K	8K	10K
Battery				
Battery type	Li-ion			
Battery voltage range	120-600 V			
Max. charge / discharge current	25 A		50 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
Operation phase	3/N/PE			
Rated grid voltage	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	5 kW	6 kW	8 kW	10 kW
Max. input 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
Input voltage range	320-460 V			
Frequency range	45-55 Hz / 55-65 Hz			
Output AC (Back-up)				
Rated output power	5 kW	6 kW	8 kW	10 kW
Max. apparent output power	8 kVA, 30 sec	9.6 kVA, 30 sec	12.8 kVA, 30 sec	16 kVA, 30 sec
Back-up switch time	<10 ms			
Rated output voltage	3/N/PE, 380 V / 400 V			
Rated frequency	50 Hz / 60Hz			
Rated 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
THDv (@linear load)	<2%			
Efficiency				
BAT charged/discharged to AC Max. efficiency	97.3%		97.5%	
Protection				
Protection class	I			
Over voltage category	DC II / AC III			
Battery reverse protection	Yes			
Battery over and under voltage protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Temperature protection	Yes			
General Data				
Dimensions (W*H*D)	600*500*210 mm		600*500*230 mm	
Weight	20 kg		27 kg	
Topology	Transformerless			
Operating ambient temperature range	-25 ~ +60°C			
Relative humidity	0-95%			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude	4000 m			
Grid connection standard	EN 50549-1, VDE4105, CEI 0-21, CEI 0-16, Type A, G100, G98, G99			
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3			
Features				
DC connection	MC4 connector			
AC connection	Quick connection plug			
Display	LCD + Bluetooth + APP			
Communication	RS485, CAN, Optional: Wi-Fi, Cellular, LAN			