

## S6-EA1P(3.6-6)K-L

# Solis Single Phase Low Voltage AC-Coupled Inverters

### Features:

- Supports Peak Shaving Mode
- Industry leading 125A/6kW max charge/discharge rating
- Provide intelligent time of use solution together with the monitoring group
- Compatible with multiple brands of lithium battery models
- 6 customisable charge/discharge time settings
- Increased battery protection and operation features to extend battery life

### Models:

S6-EA1P3.6K-L

S6-EA1P4.6K-L

S6-EA1P5K-L

S6-EA1P6K-L



# DATASHEET

## S6-EA1P(3.6-6)K-L

Models	3.6K	4.6K	5K	6K
<b>Battery</b>				
Battery type	Li-ion			
Battery voltage range	40-60 V			
Start up voltage	40 V			
Max. charge / discharge current	75 A	96 A	105 A	125 A
Communication	CAN			
<b>Output AC (Grid side)</b>				
Rated output power	3.6 kW	4.6 kW	5 kW	6 kW
Max. apparent output power	3.6 kVA	4.6 kVA	5 kVA	6 kVA
Operation phase	1/N/PE			
Rated grid voltage	220 V / 230 V			
Grid voltage range	187-253 V			
Rated grid frequency	50 Hz			
Rated grid output current	16.4 A / 15.7 A	21 A / 20 A	22.8 A / 21.8 A	27.3 A / 26.1 A
Max. output current	16.4 A / 15.7 A	21 A / 20 A	22.8 A / 21.8 A	27.3 A / 26.1 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			
<b>Input AC (Grid side)</b>				
Input voltage range	187-253 V			
Max. input current	16.4 A / 15.7 A	21 A / 20 A	22.8 A / 21.8 A	27.3 A / 26.1 A
Max. input power	3.6 kW	4.6 kW	5 kW	6 kW
Frequency range	45-55 Hz / 55-65 Hz			
<b>Efficiency</b>				
BAT charged/discharged to AC Max. efficiency	> 93.5%			
<b>Protection</b>				
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			
<b>General Data</b>				
Dimensions (W*H*D)	440*465*192 mm			
Weight	24.5 kg			
Topology	High frequency isolation			
Operating ambient temperature range	-25 ~ +60°C			
Relative humidity	0-95%			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude	3000 m			
Grid connection standard	C10/11, 50549, G98, G99, VDE4105, AS4777.2, France			
Safety/EMC standard	IEC/EN 62109-1/-2, EN 61000-6-2/-3			
<b>Features</b>				
DC connection	Terminal Block			
AC connection	Quick connection plug			
Display	LED + APP			
Communication	RS485, CAN, Optional: Wi-Fi, LAN			
Country of manufacture	China			