

## S6-EH3P(8-15)K-L

# Solis Three Phase Low Voltage Energy Storage Inverters

### Features:

- String current up to 20A, perfectly match large current modules
- Built-in Backup Port with Automatic UPS switching
- 6 customisable charge/discharge time settings
- Supports Max 6 pcs in parallel
- Supports Unbalanced and Half-Wave Loads on both the Grid and Backup Port
- Generator connectivity with multiple input methods and automatic generator On/Off control
- Supports peak shaving control in both "self-use" and "generator" mode
- Intelligent AC coupling scheme, easily upgrade existing grid-connected systems

### Models:

S6-EH3P8K-L

S6-EH3P10K-L

S6-EH3P12K-L

S6-EH3P15K-L



# DATASHEET

## S6-EH3P(8-15)K-L

Models	8K	10K	12K	15K
<b>Input DC (PV side)</b>				
Recommended max PV array size	16 kW	20 kW	24 kW	30 kW
Max. usable PV input power	12.8 kW	16 kW	19.2 kW	24 kW
Max. input voltage	1000 V			
Rated voltage	550 V			
Start-up voltage	160 V			
MPPT voltage range	200-850 V			
Max. input current	20 A / 40 A		40 A / 40 A	
Max. short circuit current	30 A / 50 A		50 A / 50 A	
MPPT number/Max. input strings number	2/3		2/4	
<b>Battery</b>				
Battery type	Li-ion / Lead-acid			
Battery voltage range	40 - 60 V			
Max. charge / discharge current	290 A			
Battery switch	Optional			
Communication	CAN/RS485			
<b>Output AC (Grid side)</b>				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	8 kVA	10 kVA	12 kVA	15 kVA
Operation phase	3/N/PE			
Rated grid voltage	380 V / 400 V			
Rated grid frequency	50 Hz / 60 Hz			
Rated grid output current	12.2 A / 11.5 A	15.2 A / 14.4 A	18.2 A / 17.3 A	22.8 A / 21.7 A
Max. output current	12.2 A / 11.5 A	15.2 A / 14.4 A	18.2 A / 17.3 A	22.8 A / 21.7 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			
<b>Input AC (Grid side)</b>				
Input voltage range	323-460 V			
Max. input current	60 A			
Frequency range	45-55 Hz / 55-65 Hz			
<b>Input Generator</b>				
Max. input power	8 kW	10 kW	12 kW	15 kW
Max. input current	12.2 A	15.2 A	18.2 A	22.8 A
Rated input voltage	3/N/PE, 380 V / 400 V			
Rated input frequency	50 Hz / 60 Hz			
<b>Output AC (Back-up)</b>				
Rated output power	8 kW	10 kW	12 kW	15 kW
Max. apparent output power	2 times of rated power, 10 s			
Back-up switch time	<10 ms			
Rated output voltage	3/N/PE, 380 V / 400 V			
Rated frequency	50 Hz / 60 Hz			
Rated output current	12.2 A / 11.5 A	15.2 A / 14.4 A	18.2 A / 17.3 A	22.8 A / 21.7 A
Max. Continuous output current	12.2 A	15.2 A	18.2 A	22.8 A
Max. Continuous AC Passthrough current	60 A			
THDv (@linear load)	<2%			
<b>Efficiency</b>				
Max. efficiency	97.6%			
EU efficiency	97.0%			
<b>Protection</b>				
Anti-islanding protection	Yes			
Output over current protection	Yes			
Short circuit protection	Yes			
DC reverse-polarity protection	Yes			
Surge protection	AC Type II (Type I+ II Optional)			
<b>General Data</b>				
Dimensions (W*H*D)	422*702*281 mm			
Weight	33.6 kg			
Topology	Non-isolated			
Operating ambient temperature range	-40 ~ +60°C			
Ingress protection	IP66			
Cooling concept	Intelligent redundant fan-cooling			
Max. operation altitude	4000 m			
Grid connection standard	NRS 097-2-1, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, SriLanka, EN 50438L, Vietnam, PEA/MEA			
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3			
<b>Features</b>				
DC connection	MC4 Quick connection plug (PV) & Screw terminal (Battery)			
AC connection	Screw terminal			
Display	LCD + Bluetooth + APP			
Communication	CAN, RS485, Ethernet, Optional: Wi-Fi, Cellular, LAN			