

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
Input DC (PV side)				
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	
Battery				
Battery type	Li-ion / Lead-acid			
Battery voltage range	40 - 60 V			
Max. charge / discharge current	290 A			
Battery switch	Optional			
Communication	CAN/RS485			
Output AC (Grid side)				
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%			
Input AC (Grid side)				
Input voltage range	323-460 V			
Max. input current	60 A			
Frequency range	45-55 Hz / 55-65 Hz			
Input Generator				
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			
Output AC (Back-up)				
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%			
Efficiency				
Max. efficiency	97.6%			
EU efficiency	97.0%			
Protection				
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)			
General Data				
Dimensions (W*H*D)	430*660*295 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			
Features				
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			