

S6-EH3P10K2-H

Solis Three Phase High Voltage Energy Storage Inverters

Features:

- Industry leading 50A/10kW max charge/discharge rating
- Automatic UPS switching
- Supports Peak Shaving Mode
- Pre-made Battery, Meter and CAN cabling to reduce installation time
- Supports Unbalanced and Half-Wave Loads on both the Grid and Backup Port
- Compatible with multiple brands of lithium battery models
- Increased battery protection and operation features to extend battery life

Models:

S6-EH3P10K2-H



360° View



DATASHEET

S6-EH3P10K2-H

Models	10K2
Input DC (PV side)	
Recommended max. PV power	16 kW
Max. input voltage	1000 V
Rated voltage	600 V
Start-up voltage	160 V
MPPT voltage range	200-850 V
Max. input current	16 A / 16 A
Max. short circuit current	24 A / 24 A
MPPT number/Max. input strings number	2/2
Battery	
Battery type	Li-ion
Battery voltage range	120-600 V
Max. charge / discharge power	10 kW
Max. charge / discharge current	50 A
Communication	CAN/RS485
Output AC (Grid side)	
Rated output power	10 kW
Max. apparent output power	10 kVA
Rated grid voltage	3/N/PE, 380 V / 400 V
Rated grid frequency	50 Hz / 60 Hz
Rated grid output current	15.2 A / 14.4 A
Max. output current	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	15 kW
Rated input current	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	10 kW
Max. apparent output power	16 kVA, 60 sec
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	15.2 A / 14.4 A
THDv (@linear load)	<2%
Efficiency	
Max. efficiency	97.9%
EU efficiency	97.5%
BAT charged by PV Max. efficiency	98.3%
BAT charged/discharged to AC Max. efficiency	97.5%
Protection	
Anti-islanding protection	Yes
Output over current protection	Yes
Short circuit protection	Yes
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾
Integrated DC switch	Yes
DC reverse-polarity protection	Yes
PV over voltage protection	Yes
Battery reverse protection	Yes
General Data	
Dimensions (W*H*D)	600*500*230 mm
Weight	30.2 kg
Topology	Transformerless
Self-consumption (night)	<25 W
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	G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15/VFR:2019, RD 1699/RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3
Features	
PV connection	MC4 connector
Battery connection	Quick connection plug
AC connection	Quick connection plug
Display	LED + Bluetooth + APP
Communication	CAN, RS485, Optional: Wi-Fi, Cellular, LAN

(1) Activation required.