



Three Phase High Voltage Energy Storage Inverters

10 YEAR
WARRANTY

15kW

 Model No: **S6-EH3P15K2-H**

 SKU Code: **12226**

BATTERY

Battery type	Li-ion
Battery voltage range	120-800 V
Max. charge / discharge power	15 kW
Max. charge / discharge current	50 A
Communication	CAN/RS485

OUTPUT AC (GRID SIDE)

Rated output power	15 kW
Max. apparent output power	15 kVA
Rated grid voltage	3/N/PE, 380 V / 400 V
Rated grid frequency	50 Hz
Rated grid output current	22.8 A / 21.7 A
Max. output current	22.8 A / 21.7 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%

GENERAL DATA

Dimensions (W*H*D)	599*546*243 mm
Weight	31 kg
Topology	Transformerless
Self-consumption (night)	<25 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-95%
Ingress protection	IP66
Cooling concept	Intelligent fan-cooling
Max. operation altitude	2000 m
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3, IEC 61000-2

PROTECTION

Anti-islanding protection, Output over current protection, Short circuit protection, Integrated AFCI 2.0 (Optional), Integrated DC switch, DC reverse-polarity protection, PV over voltage protection, Battery reverse protection

INPUT DC (PV SIDE)

Recommended max. PV array size	30 kW
Max. usable PV input power	24 kW
Max. input voltage	1000 V
Rated voltage	600 V
Start-up voltage	160 V
MPPT voltage range	200-850 V
Max. input current	20 A / 20 A / 20 A / 20 A
Max. short circuit current	30 A / 30 A / 30 A / 30 A
Max. input power per MPPT	9 kW
MPPT number/Max. input strings number	4/4

INPUT AC (GRID SIDE)

Max. input power	22.5 kW
Rated input current	34.2 A / 32.5 A
Rated input voltage	3/N/PE, 380 V / 400 V
Rated input frequency	50 Hz

INPUT GENERATOR

Max. input power	15 kW
Max. input current	22.8 A / 21.7 A
Rated input frequency	50 Hz

OUTPUT AC (BACK-UP)

Rated output power	15 kW 20 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
Rated output current	22.8 A / 21.7 A 30.4 A / 28.9 A
THDv (@linear load)	<3%

EFFICIENCY

Max. efficiency	97.7%
EU efficiency	97.5%
BAT charged by PV/AC Max. efficiency	98.5%
BAT discharged to AC Max. efficiency	97.2%

FEATURES

PV connection	MC4 connector
Battery connection	OT terminal
AC connection	OT terminal
Display	LCD + Bluetooth + APP
Communication	CAN, RS485, Ethernet, Optional: Wi-Fi, Cellular, LAN

Grid connection standard
 EN 50549-1, VDE4105 CEI 0-21, CEI 0-16, NC-RFG TypeB, NRS 097-2-1 ED 2.1ED 2.1