

risen

Barq Series 3.5kW Hybrid Inverter

STH3EA



Versatile
Expandability



Integrated MPPT
Controller



Wide PV Input
Voltage Range



Intuitive LCD
Display



Standalone Operation
Without Battery



Comprehensive
Protection Suite



Technical Specification

Model	STH3EA
System Information	
Rated Power	3.5kVA / 3.5kW
Parallel Capability	No
AC Output	
Voltage (Battery Mode)	Single Phase, 220VAC / 230VAC / 240VAC
Conversion Efficiency (Peak)	93%
Switching Time	10ms (UPS); 20ms (Household Appliances)
Wave	Pure Sine Wave
Battery Input	
Battery Voltage	24VDC
Bulk Charging Voltage	27VDC
Overvoltage Protection	33VDC
Max. Input Power	4kW
MPPT	
Max. Input Power	4kW
MPPT Voltage Range	60 ~ 450VDC
Max. Input Voltage	500VDC
Max. Input Current	15A
AC Input	
AC Input Voltage	230VAC
Voltage Range	170~280VAC (UPS); 90~280VAC (Household Appliances)
Frequency Range	50 / 60Hz (Adaptive)
Mains Power Max. Charge Current	80A
Battery Max. Charge Current	100A
General Data	
Packaged / Bare Unit Dimensions (W*H*D)	315*420*145mm/294*391*101mm
Gross / Net weight	7.5kg / 6kg
Communication Interface	RS485
Appearance	With LCD Screen
Operating Environment	
Operating Temperature	-10°C ~+45°C
Storage Temperature	-15°C ~+50°C
Humidity	5%~95% Relative Humidity (Non-condensing)
Protection Level	IP21
Warranty ^[1]	5 Years

*Notes: ^[1] The entire machine is covered for 18 months, and individual parts for 36months.

SYL(Ningbo)Battery Co.,Ltd.