

risen

Barq Series 6.2kW Hybrid Inverter

STH6EA



Versatile
Expandability



Integrated MPPT
Controller



Wide PV Input
Voltage Range



Intuitive LCD
Display



Standalone Operation
Without Battery



Comprehensive
Protection Suite

Technical Specification

Model	STH6EA
System Information	
Rated Power	6.2kVA/6.2kW
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	48VDC
Bulk Charging Voltage	58.4VDC (16 strings)
Overvoltage Protection	63VDC
Max. Input Power	6.2kW
MPPT	
Max. Input Power	6.5kW
MPPT Voltage Range	60 ~ 450VDC
Max. Input Voltage	500VDC
Max. Input Current	18A
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	60A
Battery Max. Charge Current	120A
General Data	
Packaged / Bare Unit Dimensions (W*H*D)	470*350*160mm / 448*316*128mm
Gross / Net Weight	10.8kg / 9.6kg
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.