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## 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)
Overshoot Protection	63VDC
Max. Input Power	6.2kW
MPPT	
MPPT Voltage Range	60 ~ 450VDC
Max. Input Voltage	500VDC
Max. Input Current	27A
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	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 ~+50°C
Storage Temperature	-10°C ~+50°C
Humidity	5%~95% Relative Humidity (Non-condensing)
Protection Level	IP20

**SYL(Ningbo)Battery Co.,Ltd.**