

Household classic hybrid inverter

Easy to expand capacity,
high consistency of current sharing

SC HF 3500-24



Solar Power



PC



TV



Fridge



Electric fan



DVD



AC



FM Radio

Built-in MPPT Modular design plug

Support three-phase mode, support grid connection mode

- Single-phase hybrid solar inverter.
- Support lithium battery charging and discharging management.
- Optional Wifi module, support remote App monitoring



Highly integrated plug



Maximum efficiency increased to 98.7%



Seamlessly enable backup power



Easy to install and maintain



Support lithium battery adaptive

Specifications

Technical Parameters

Model	SC HF 3500-24
Rated Power	3500VA/3500W

Input and output parameters

Voltage	230V AC
Optional Voltage Range	170-280VAC (personal computer) 90-280VAC (household appliances)
Frequency Range	50Hz/60Hz (adaptive)
AC stabilized voltage	230V AC±5%
Surge Power	7000VA
Peak efficiency	93.5%
Switching time	10ms(For PC) 20ms(For Home Appliances)
Wave form	Pure Sine Wave

Battery parameters

Battery type	Lead acid + Lithium battery
Battery voltage range	42-60V
Charging curve	Three-Stage
Lithium battery-charging strategy	Adaptive to lithium battery

Photovoltaic Charging & AC Charging

Maximum photovoltaic power	3500W
Maximum PV open circuit voltage	500V DC
MPPT Range & Working Voltage	120~450V DC
Maximum Solar Charging Current	100A
Maximum AC charging current	60A

General parameters

Product size(mm)	302*490*110
Package size(mm)	346*536*178
Net weight(kg)	8.4
Communication Interface	RS232/RS485CAN /Drycontact
Relative Humidity	5%to95%
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C