

High power hybrid inverter

Single 8KW high power

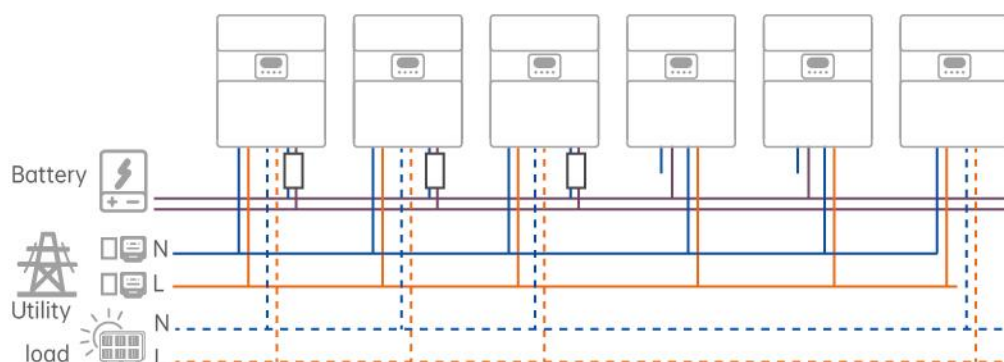
SC HF 8000-48 PLUS



Single high-power 8KW Supports three-phase mode

Hybrid energy storage system

- Single-phase hybrid solar inverter.
- Support lithium battery charging and discharging management.
- Support three-phase mode and grid connection mode
- Optional Wifi module , supports remote App monitoring.



Specifications

Technical Parameters

Model	SC HF 8000-48 PLUS
Max PV Array Power	8000W
Rated Output Power	8000W
Maximum PV Array Open Circuit Voltage	500VDC
MPPT Range @ Operating Voltage	120-450VDC

Grid output (AC)

Nominal Output Voltage	220/230/240V AC
Output Voltage Range	184-265V AC
Nominal Output Current	25.5A/24.3A/23.3A
Efficiency	93.5%

Off-grid, hybrid operation

GRID INPUT	120-280VAC
Acceptable Input Voltage Range	50Hz/60Hz
Frequency Range	

Battery mode output(AC)

Nominal Output Voltage	220/230/240V AC
Output Wave form	Pure sine wave

Battery&charger

Nominal DC Voltage	48VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120A
Maximum Charge Current	120A

Emergency output power

Maximum output Power	8000W
Surge Power	16000VA
Automatic Transfer Time	<8ms

Interface

Parallel Function	Yes
Communication	USB & RS232 RS485CAN

Environment

Relative Humidity	0~90% RH(No Condensing)
Operating Temperature	0°C to 50°C
Net Weight(KG)	21
Rough Weight(KG)	21
Product size(mm)	490*580*139
Package size(mm)	588*677*254