

IP65 Hybrid inverter

Easy to expand capacity,
high consistency of current sharing

SC HZ 6000-48 PLUS



IP65 waterproof Adapt to outdoor use

Not afraid of wind and rain,
waterproof and dustproof

- Support three-phase mode, support grid connection mode
- Support lithium battery charging and discharging management
- Optional Wifi module, support remote App monitoring



AC and DC secondary
lightning protection



Overprovision
by 2 times



OLED display
intelligent diagnosis



Support lithium
battery adaptive



Flexible online
monitoring

Specifications

Technical Parameters

Model	SC HZ 6000-48 PLUS
Max.input power(W)	6000W
Max. input voltage (V)	500V
MPPT range (V)	120 - 450V
Max. input current (A)	26A

AC output

Rated output power	6000W
Maximum output current	26
Rated output current	26
Rated voltage	230V
AC voltage range	176 - 280V
Rated AC frequency	50Hz / 60Hz
Peak output	6000VA, 30s
Power factor	0.8lagging-0.8leading
THDI	<2%
THDU(@Linear Load)	<3%
Conversion time	<10 ms

Display and communication

Display	LCD
Interface:RS485/Wifi/CAN	Yes
4G/Bluetooth	Opt
On-grid	Yes

Battery parameters

Battery Voltage	60V
Max. battery voltage	60V
Max. charging current	100A
Max. discharging current	130A
Communication Interface	CAN/RS485
Solar Charger Type	MPPT

General parameters

Battery charge and discharge efficiency	94.50%
High DC Efficiency	97.50%
European efficiency	97.00%
MPPT efficiency	99.90%
IP rating	IP65
Noise(dB)	<35
Operating temperature	- 25°C ~ 60°C
Cool down	Natural
Relative humidity	0 ~95% (non-condensing)
Altitude 2,000m	(>2,000 Derating)
Product size(mm)	358*509.8*180.7
Package size(mm)	456*606.8*295.7
Net weight(kg)	28KG
Gross weight (kg)	30KG
Isolation transformer	No
Loss(W)	<50