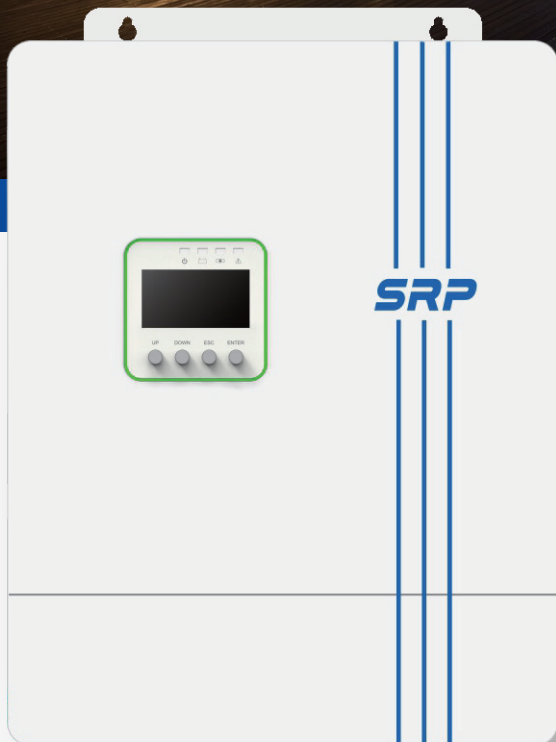
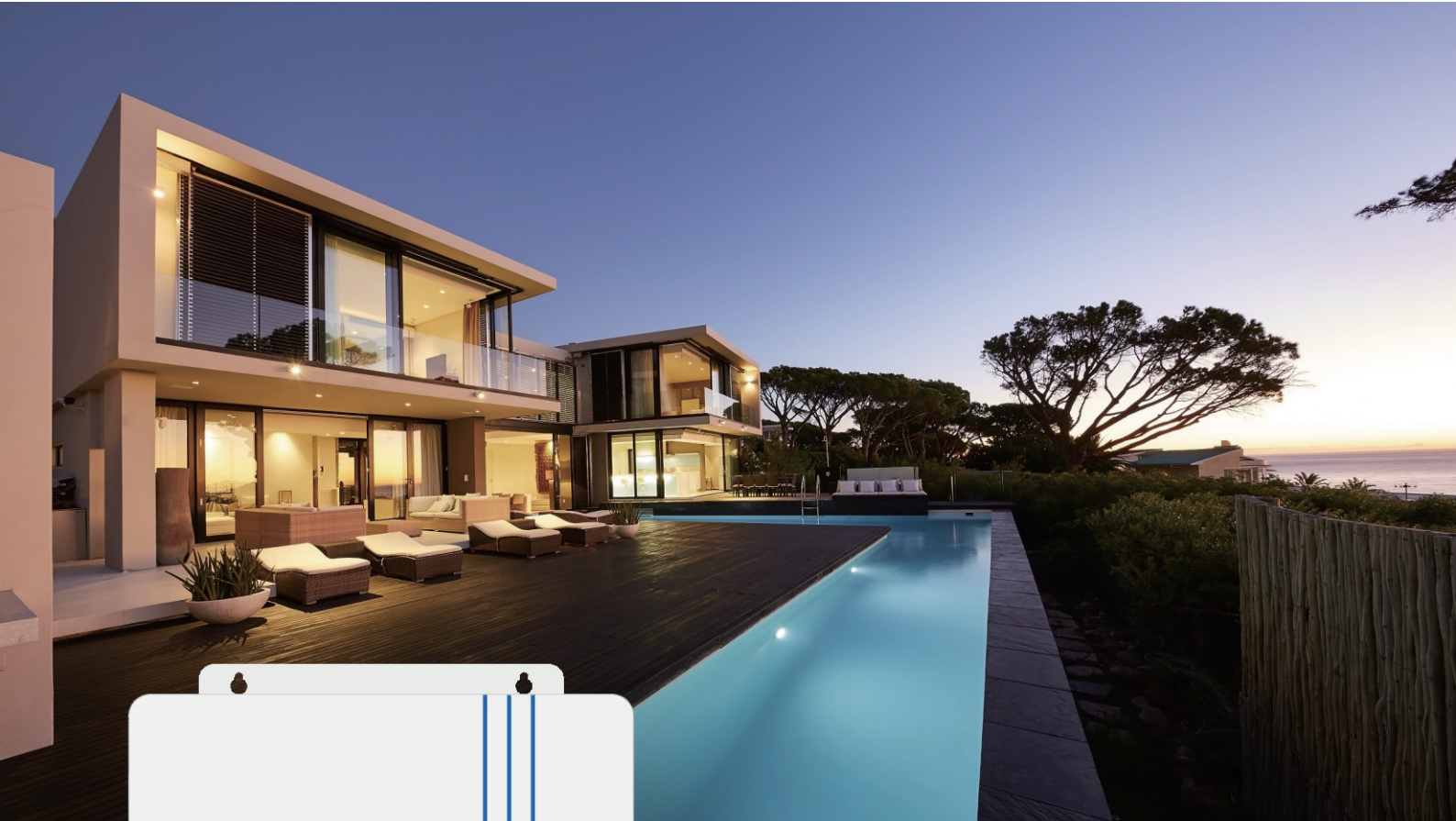




Off-Grid Inverter - Single Phase 6K



Product Features

- Compatible with most common low-voltage batteries (lead-acid & lithium)
- Supports 12 units working in parallel at most
- Max charging current up to 120A
- IP54 design to ensure the inverter can work under various environmental conditions
- LCD screen, safely interactive design between users and inverters
- Monitoring via app by WiFi; easy for cooperating with BMS
- Smart fan cooling design

SRP-6KRS-F1**Battery Input**

Battery Type	Li-Ion/Lead-acid
Battery Voltage	48Vdc

Inverter Output

Nominal Power(W)	6000
Nominal Apparent Power (VA)	6000
Parallel Capacity	Yes, 12 units maximum
AC Voltage Regulation (Battery Mode)	230Vac \pm 5% @50/60Hz
Surge Power (VA)	12000
Efficiency (peak)	93%
Waveform	Pure sine wave
Transfer Time	10ms (for personal computers), 15ms (for home appliances)

Solar Charger

Max. PV Array Power (W)	6000
MPPT Range @ Operating Voltage	75Vdc-450Vdc
Number of Independent MPP Trackers	1
Number of Strings Per MPPT	1
Max. Input Current Per MPPT (A)	27
Max. PV Array Open Circuit Voltage (V)	500Vdc
Max. Solar Charge Current (A)	80

AC Charger

Max. AC Charge Current(A)	120
AC Input Voltage (V)	230Vac
Voltage Range (V)	170-280Vac (For Personal Computers); 90-280 Vac (For Home Appliances)
Frequency Range(Hz)	50/60

General

User Interface	APP+LCD Display
Communication	RS232, Dry-contact,Wi-Fi, RS485CAN
Ingress Protection Rating	IP54
Dimension (W*H*D mm)	325*440*115
Weight (kg)	13
Relative Humidity	5% ~ 95%
Max. Operating Altitude (m)	4000(>2000m derating)
Operating Temperature(°C)	0~50
Storage Temperature(°C)	-15~60

Protection

PV Reversed Polarity Protection	Yes
PV Over Voltage Protection	Yes
PV Over Current Protection	Yes
Battery Reversed Polarity Protection	Yes
Battery Over Voltage Protection	Yes
Battery Over Current Protection	Yes
AC Surge Protection	Type III, Type III
Output Over Current Protection	Yes
Output Short Circuit Protection	Yes
Output Over Voltage Protection	Yes