



Off-Grid Inverter - Single Phase 3K/3.6K/5K



Product Features

- Compatible with most common low-voltage batteries (lead-acid & lithium)
- 5K supports 9 units working in parallel at most
- Max charging current up to 120A
- LCD screen, safely interactive design between users and inverters
- Monitoring via app by WiFi; easy for cooperating with BMS
- Smart fan cooling design

	SRP-3KRS-F1	SRP-3.6KRS-F1	SRP-5KRS-F1
Battery Input			
Battery Type	Li-Ion/Lead-acid	Li-Ion/Lead-acid	Li-Ion/Lead-acid
Battery Voltage	24Vdc	48Vdc	48Vdc
Inverter Output			
Nominal Power(W)	3000	3600	5000
Nominal Apparent Power (VA)	3000	3600	5000
Parallel Capacity	No	No	Yes, 9 units maximum
AC Voltage Regulation (Battery Mode)	230Vac ± 5% @50/60Hz	230Vac ± 5% @50/60Hz	230Vac ± 5% @50/60Hz
Surge Power (VA)	6000	8000	10000
Efficiency (peak)	93%	93%	93%
Waveform	Pure sine wave	Pure sine wave	Pure sine wave
Transfer Time	10ms (for personal computers), 15ms (for home appliances)		
Solar Charger			
Max. PV Array Power (W)	4000	5400	6000
MPPT Range @ Operating Voltage	120Vdc-430Vdc	120Vdc-430Vdc	120Vdc-430Vdc
Number of Independent MPP Trackers	1	1	1
Number of Strings Per MPPT	1	1	1
Max. Input Current Per MPPT (A)	16	18	18
Max. PV Array Open Circuit Voltage (V)	500Vdc	500Vdc	500Vdc
Max. Solar Charge Current (A)	120	80	80
AC Charger			
Max. AC Charge Current(A)	120	80	80
AC Input Voltage (V)	230Vac	230Vac	230Vac
Voltage Range (V)	170-280Vac (For Personal Computers); 90-280 Vac (For Home Appliances)		
Frequency Range(Hz)	50/60	50/60	50/60
General			
User Interface	APP+LCD Display+LED		
Communication	USB, Optional: Wi-Fi, 4G, GPRS, RS485/CAN, Dry-contact		
Ingress Protection Rating	IP20	IP20	IP20
Dimension (W*H*D mm)	300*450*110.5	300*450*110.5	300*450*110.5
Weight (kg)	7.5	8	8
Relative Humidity	20% ~ 95%	20% ~ 95%	20% ~ 95%
Max. Operating Altitude (m)	2000m, >1000m derating	2000m, >1000m derating	2000m, >1000m derating
Operating Temperature (°C)	0~50	0~50	0~50
Storage Temperature (°C)	-15~60	-15~60	-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		
Output Over Current Protection	Yes		
Output Short Circuit Protection	Yes		
Output Over Voltage Protection	Yes		