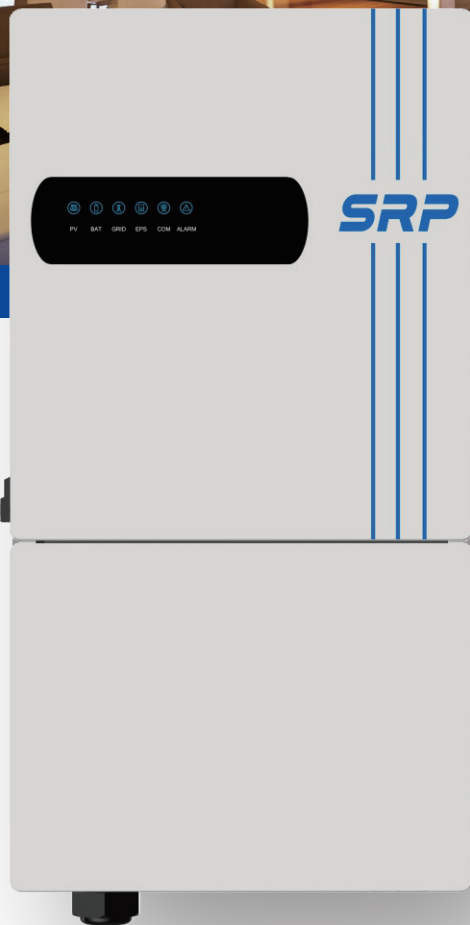




Hybrid Inverter - Single Phase 8K/10K



Product Features

- Compatible with most common low-voltage batteries (lead-acid & lithium)
- Easy for cooperating with BMS; support remote upgrade for SRP battery BMS only
- Parallel capacity is up to 9 units
- Support external remote shutdown device
- Remote upgrade and configuration; safety-related functions integrated

	SRP-8KRS-H1	SRP-10KRS-H1
Battery Input Data		
Battery Type	Li-ion / Lead-acid	Li-ion / Lead-acid
Nominal Battery Voltage (V)	48	48
Battery Voltage Range (V)	40~65	40~65
Max. Charge/Discharge Current (A)	210/180	210/210
Max. Charge/Discharge Power (W)	10000/8000	10000/10000
PV String Input Data		
Max. Array Input Power (W)	12000	15000
Max. DC Input Voltage (V)	600	600
Nominal DC Input Voltage (V)	360	360
Start-up Voltage (V)	90	90
MPPT Voltage Range (V)	70~540	70~540
Max. Input Current per MPPT (A)	30/22/22	30/22/22
Max. Short-circuit Current per MPPT (A)	40/30/30	40/30/30
No. of MPPT	3	3
No. of Strings per MPPT	2	2
AC Input Data		
Nominal Input Apparent Power (VA)	8000	10000
Max. Input Apparent Power (VA)	12000	15000
AC Output Data (on-grid)		
Nominal Output Active Power (W)	8000	10000
Nominal Output Apparent Power (VA)	8000	10000
Max. Output Apparent Power (VA)	8800	11000
Nominal Output Voltage (V)	220/230/240	
Nominal Output Frequency (Hz)	50/60	
Output Frequency Range (Hz)	45-65(Ajustable)	
Max. Output Current (A)	40	50
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
THDi	<3%	<3%
Back-up Output Data		
Nominal Output Apparent Power (VA)	8000	10000
Max. Output Apparent Power (VA)	8800	11000
Nominal Output Voltage (V)	230	
Nominal Output Frequency (Hz)	50/60	50/60
Nominal Output Current (A)	34.8	43.5
Transfer Time (ms)	10(typ) / 20(max)	10(typ) / 20(max)
THDv @ Linear Load	<3% @ 100% R Load	
Efficiency		
Max. Efficiency	98%	98%
Battery Discharge to AC Efficiency	95%	95%
Protection		
PV Reversed Polarity Protection	Yes	
Residual Current Monitor	Yes	
PV Over Voltage Protection	Yes	
PV Over Current Protection	Yes	
Anti-islanding Protection	Yes	
DC Surge Protection	Type II	
AC Surge Protection	Type II	
Insulation Resistor Detector	Yes	
Output Over Current Protection	Yes	
Output Short Circuit Protection	Yes	
Output Over Voltage Protection	Yes	
Generator	Yes	
AFCI	Optional	
Remote Shutdown	Optional	
Rapid Shutdown	-	
General		
Operating Temperature Range (°C)	-25~60(>45°C derating)	
Relative Humidity	0~100%	
Max. Operating Altitude (m)	4000	
Cooling Method	Fan Cooling	
User Interface	LED+APP	
Communication	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: WiFi/GPRS/LAN	
Weight (kg)	37	37
Dimension (W*H*D mm)	420*800*240	
Topology	Transformerless	
Ingress Protection Rating	IP65	
Mounting Method	Wall Bracket	