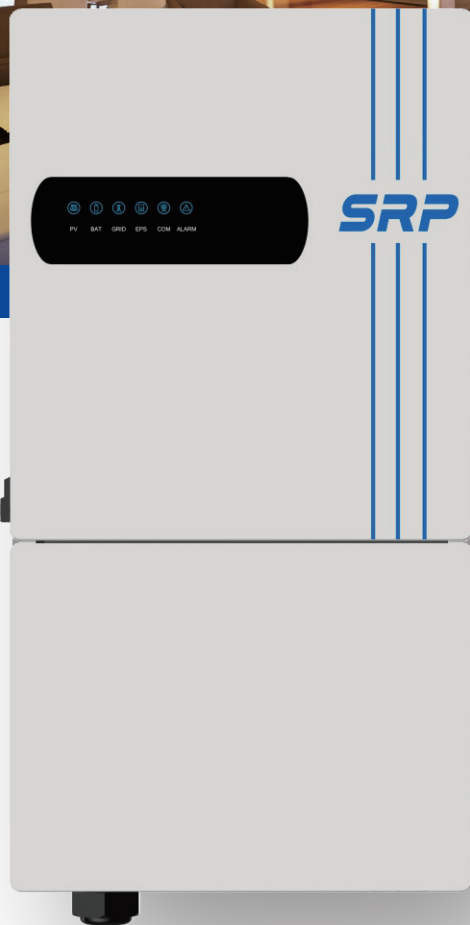




Hybrid Inverter - Split Phase 5K/6K/7.6K/10K



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
- Rapid Shutdown Device integrated
- Capable of outputting 100% load power under back-up mode
- Remote upgrade and configuration; safety-related functions integrated

	SRP-5KRS-H1-UL	SRP-6KRS-H1-UL	SRP-7.6KRS-H1-UL	SRP-10KRS-H1-UL
Battery Input Data				
Battery Type	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid	Li-ion / Lead-acid
Nominal Battery Voltage (V)	48	48	48	48
Battery Voltage Range (V)	40~64	40~64	40~64	40~64
Max. Charge/Discharge Current (A)	210/130	210/130	210/180	210/210
Max. Charge/Discharge Power (W)	10000/5000	10000/6000	10000/7600	11400/11400
PV String Input Data				
Max. Array Input Power (W)	7500	9000	12000	15000
Max. DC Input Voltage (V)			600	
Nominal DC Input Voltage (V)			360	
Start-up Voltage (V)			90	
MPPT Voltage Range (V)			70~540	
Max. Input Current per MPPT (A)	30/22	30/22	30/22/22	30/22/22
Max. Short-circuit Current per MPPT (A)	40/30	40/30	40/30	40/30/30
No. of MPPT	2	2	3	3
No. of Strings per MPPT	2	2	2	2
AC Input Data				
Nominal Input Apparent Power (VA)	5000	6000	7600	10000
Max. Input Apparent Power (VA)	7500	8000	7600	11400
AC Output Data (on-grid)				
Nominal Output Active Power (W)	5000	6000	7600	10000
Nominal Output Apparent Power (VA)	5000	6000	7600	10000
Max. Output Apparent Power (VA)	5500	6600	7600	11400
Nominal Output Voltage (V)	120V/240V (Split phase) / 208V (2/3 phase)			
Nominal Output Frequency (Hz)	50/60			
Output Frequency Range (Hz)	45-65(Ajustable)			
Max. Output Current (A)	26.5	31.8	40.4	47.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)			
THDi	<3%	<3%	<3%	<3%
Back-up Output Data				
Nominal Output Apparent Power (VA)	5000	6000	7600	10000
Max. Output Apparent Power (VA)	10000 for 1s	12000 for 1s	15200 for 1s	20000 for 1s
Nominal Output Voltage (V)	120V/240V (Split phase) / 208V (2/3 phase)			
Nominal Output Frequency (Hz)	50/60			
Nominal Output Current (A)	20.9/24.1	25/28.9	31.7/36.6	41.7/47.5
Transfer Time (ms)	10(typ) / 20(max)			
THDv @ Linear Load	<3% @ 100% R Load			
Efficiency				
Max. Efficiency	98%	98%	98%	98%
Battery Discharge to AC Efficiency	94.50%	94.50%	94.50%	94.50%
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	Yes			
Rapid Shutdown	Yes			
General				
Operating Temperature Range (°C)	-25~60(>45°C derating)			
Relative Humidity	0~100%			
Max. Operating Altitude (m)	2000			
Cooling Method	Fan Cooling			
User Interface	LED+APP, LCD(optional)			
Communication	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: WIFI/GPRS/LAN			
Weight (kg)	40			
Dimension (W*H*D mm)	420*800*240			
Topology	Transformerless			
Ingress Protection Rating	IP65			
Mounting Method	Wall Bracket			