



Hybrid Inverter-Three Phase 5K~10K



Product Features

- Compatible with medium-voltage batteries (lead-acid & lithium)
- Max charging/discharging current up to 50A
- Remote upgrade and configuration; safety-related functions integrated; easy for cooperating with BMS
- DC/AC Surge Protection TYPE II
- Optional Arc-Fault Circuit-Interrupter
- Low noise without fan design

	SRP-5KRT-H1	SRP-6KRT-H1	SRP-8KRT-H1	SRP-10KRT-H1
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)	200	240	180	200
Battery Voltage Range (V)	150-600	150-600	150-600	150-600
Max. Charge/Discharge Current (A)	25/25	25/25	50/50	50/50
Max. Charge/Discharge Power (W)	9000/5800	9000/7000	15000/9100	15000/11300
PV String Input Data				
Max. Array Input Power (W)	8000	9000	12000	15000
Max. DC Input Voltage (V)	1000	1000	1000	1000
Nominal DC Input Voltage (V)	600	600	600	600
Start-up Voltage (V)	160	160	160	160
MPPT Voltage Range (V)	160-950	160-950	160-950	160-950
Max. Input Current per MPPT (A)	15/15	15/15	20/30	20/30
Max. Short-circuit Current per MPPT (A)	20/20	20/20	30/40	30/40
No. of MPPT	2	2	2	2
No. of Strings per MPPT	1+1	1+1	1+2	1+2
AC Input Data				
Nominal Input Apparent Power (VA)	5000	6000	8000	10000
Max. Input Apparent Power (VA)	15000	15000	15000	15000
Max. Input Current (A)	3*25	3*25	3*25	3*25
AC Output Data (on-grid)				
Nominal Output Active Power (W)	5000	6000	8000	10000
Nominal Output Apparent Power (VA)	5000	6000	8000	10000
Max. Output Apparent Power (VA)	5500	6600	8800	10000
Nominal Output Voltage (V)	380 / 400 / 415, 3L+N+PE			
Output Voltage Range (V)	277-520 (Adjustable)			
Nominal Output Frequency (Hz)	50/60			
Output Frequency Range (Hz)	45-65			
Max. Output Current (A)	3*8.3	3*10	3*13.3	3*16.7
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	8000	10000
Max. Output Apparent Power (VA)	5500	6600	8800	11000
Nominal Output Voltage (V)	380 / 400 / 415, 3L+N+PE			
Nominal Output Frequency (Hz)	50/60	50/60	50/60	50/60
Nominal Output Current (A)	7.6*3	9.1*3	12.2*3	15.2*3
Max. Output Current (A)	11.5*3	13.7*3	18.2*3	22.7*3
Transfer Time (ms)	10(typ) / 20(max)	10(typ) / 20(max)	10(typ) / 20(max)	10(typ) / 20(max)
THDv @ Linear Load	<3% @ 100% R Load			
Efficiency				
Max. Efficiency	98.20%	98.20%	98.40%	98.40%
Europ Efficiency	97.20%	97.20%	97.90%	97.90%
Protection				
PV Reversed Polarity Protection	Yes		Yes	
Residual Current Monitor	Yes		Yes	
PV String Monitoring	Yes		Yes	
AFCI	Optional		Optional	
Anti-islanding Protection	Yes		Yes	
DC/AC Surge Protection	Type II, Type II		Type II, Type II	
Insulation Resistor Detector	Yes		Yes	
GFCI	Yes		Yes	
Output Over Voltage / Current Protection	Yes		Yes	
Output Short Circuit Protection	Yes		Yes	
Remote Shut Down	Optional		Optional	
General				
Operating Temperature Range (°C)	-25~60 (>45°C derating)		-25~60 (>45°C derating)	
Relative Humidity	0~100%		0~100%	
Max. Operating Altitude (m)	4000 (>2000m derating)		4000 (>2000m derating)	
Cooling Method	Natural Cooling		Natural Cooling	
User Interface	APP+LED		APP+LED	
Communication	RS485/CAN (for BMS), DRM/RCR (for DI) / RS485 (for Meter) 1*DO USB (Firmware upgrade), Optional: WiFi/GPRS/4G/Ethernet			
Weight (kg)	30		32	
Dimension (W*H*D mm)	530*550*212		530*550*212	
Topology	Transformerless		Transformerless	
Ingress Protection Rating	IP65		IP65	
Mounting Method	Wall Bracket		Wall Bracket	