



Grid-Tied Inverter-Single Phase 8K/10K



Product Features

- 150% PV configuration, 110% output overload
- AFCI function optional
- Support various types of communication
- Remote upgrade and configuration; safety-related functions integrated
- IP65 protection
- Low noise without fan design

	SRP-8KRS-G1	SRP-10KRS-G1
PV String Input Data		
Max. Array Input Power (W)	12000	15000
Max. DC Input Voltage (V)	550	550
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)	2*15/20	2*15/20
Max. Short-circuit Current per MPPT (A)	2*20/26	2*20/26
No. of MPPT	2	2
No. of Strings per MPPT	2+1	2+1
AC Output Data		
Nominal Output Active Power (W)	8000	10000
Nominal Output Apparent Power (VA)	8000	10000
Max. Output Active Power (W)	8800	10000
Max. Output Apparent Power (VA)	8800	10000
Nominal Output Voltage (V)	220 / 230, L + N + PE	
Output Voltage Range (V)	160-300 (Adjustable)	160-300 (Adjustable)
Nominal Output Frequency (Hz)	50/60	50/60
Output Frequency Range (Hz)	45-65 (Adjustable)	45-65 (Adjustable)
Max. Output Current (A)	40	45.5
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
THDi	<3%	<3%
Efficiency		
Max. Efficiency	98.20%	98.20%
Europ Efficiency	97.50%	97.60%
Protection		
PV Reversed Polarity Protection	Yes	Yes
PV Over Voltage Protection	Yes	Yes
PV Over Current Protection	Yes	Yes
DC Switch	Yes	Yes
Anti-islanding Protection	Yes	Yes
DC Surge Protection	Type III	Type III
AC Surge Protection	Type III	Type III
Insulation Resistor Detector	Yes	Yes
GFCI	Yes	Yes
Output Over Current Protection	Yes	Yes
Output Short Circuit Protection	Yes	Yes
Output Over Voltage Protection	Yes	Yes
AFCI	Optional	Optional
General		
Operating Temperature Range (°C)	-25~60 (>45°C derating)	
Relative Humidity	0~100%	
Max. Operating Altitude (m)	4000 (>2000m derating)	
Cooling Method	Natural Cooling	
User Interface	Wireless & APP+LED, LCD (optional)	
Communication	Optional: WiFi/GPRS/4G/LAN/RS485	
Weight (kg)	16	16
Dimension (W*H*D mm)	400*450*170	400*450*170
Topology	Transformerless	Transformerless
Self-consumption at Night (W)	<1	<1
Ingress Protection Rating	IP65	IP65
Mounting Method	Wall Bracket	Wall Bracket