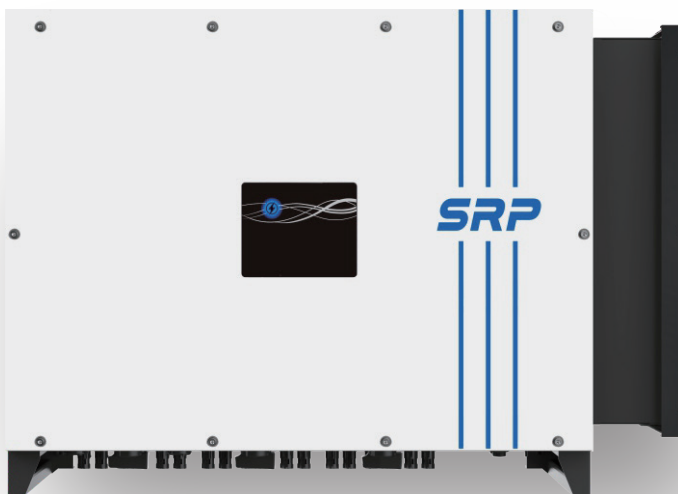




Grid-Tied Inverter-Three Phase 100K~125K



Product Features

- 150% PV configuration, 110% output overload
- Max 9 MPPTs design
- Integrated I/V scanning, support AFCI and PID Recovery
- IP66 protection, C5 anti-corrosion optional
- Remote upgrade and configuration; safety-related functions integrated

| | SRP-100KCT-G1 | SRP-110KCT-G1 | SRP-125KCT-G1 |
|-----------------------------------------|---------------|-------------------------------------------------|---------------|
| PV String Input Data | | | |
| Max. Array Input Power (kW) | 150 | 165 | 187.5 |
| Max. DC Input Voltage (V) | | 1100 | |
| Nominal DC Input Voltage (V) | | 620 | |
| Start-up Voltage (V) | | 250 | |
| MPPT Voltage Range (V) | | 200-1000 | |
| Max. Input Current per MPPT (A) | 3*40/5*32 | | 3*40/6*32 |
| Max. Short-circuit Current per MPPT (A) | 3*50/5*45 | | 3*50/6*45 |
| No. of MPPT | 8 | | 9 |
| No. of Strings per MPPT | | 2 | |
| AC Output Data | | | |
| Nominal Output Active Power (kW) | 100 | 110 | 125 |
| Nominal Output Apparent Power (kVA) | 100 | 110 | 125 |
| Max. Output Active Power (kW) | 110 | 121 | 137.5 |
| Max. Output Apparent Power (kVA) | 110 | 121 | 137.5 |
| Nominal Output Voltage (V) | | 400Vac, 3L+N+PE | |
| Nominal Output Frequency (Hz) | | 50/60 | |
| Output Frequency Range (Hz) | | 45~65 (Adjustable) | |
| Max. Output Current (A) | 168.8 | 187 | 167.3 |
| Power Factor | | ~1 (Adjustable from 0.8 leading to 0.8 lagging) | |
| THDi | <3% | <3% | <3% |
| Efficiency | | | |
| Max. Efficiency | 98.50% | 98.60% | 98.80% |
| Europ Efficiency | 98.00% | 98.20% | 98.40% |
| Protection | | | |
| PV Reversed Polarity Protection | | Yes | |
| Residual Current Monitor | | Yes | |
| PV Over Voltage Protection | | Yes | |
| PV Over Current Protection | | Yes | |
| AFCI | | Optional | |
| DC Switch | | Yes | |
| PID Recovery | | Optional | |
| PV String Monitoring | | Optional | |
| Anti-islanding Protection | | Yes | |
| DC/AC Surge Protection | | Type II, Type II | |
| Insulation Resistor Detector | | Yes | |
| GFCI | | Yes | |
| Output Over Current Protection | | Yes | |
| Output Short Circuit Protection | | Yes | |
| Output Over Voltage Protection | | Yes | |
| Night Load Consumption Monitoring | | Optional | |
| General | | | |
| Operating Temperature Range (°C) | | -25~60 (>45°C derating) | |
| Relative Humidity | | 0~100% | |
| Max. Operating Altitude (m) | | 4000 (>2000m derating) | |
| Cooling Method | Fan Cooling | Fan Cooling | Fan Cooling |
| User Interface | | Wireless & APP+LED, LCD (optional) | |
| Communication | | RS485, Optional: WiFi/GPRS/4G/LAN | |
| Weight (kg) | | 92 | |
| Dimension (W*H*D mm) | | 850*670*356 | |
| Topology | | Transformerless | |
| Self-consumption at Night (W) | | <10 | |
| Ingress Protection Rating | | IP66 | |
| Mounting Method | | Wall Bracket | |