


# 150-200K

Grid-Tied Inverters

## S6-GC3P(150-200)K07-ND

7 MPPT | 54A per MPPT

### Safety, Intelligent Prevention

- Integrated meteorological equipment, intelligent system inefficiency warning
- AI-based millisecond arc protection (AFCI)
- Real time PV grounding detection and protection
- Arc fault and RSD (Rapid Shutdown) co-operation for improved fire safety (optional)
- Intelligent AC and DC terminal temperature sensing detection

### Innovation, Never Stops

- Primary/secondary export power control solution, flexible and fast control, support 10 units in parallel
- Dual independent RS485 ports, perfect adaptation to third-party integration
- Supports single and multiple genset applications without the need for an external genset controller
- The industry's first primary/secondary export power control+ three-phase unbalanced output control, allocate each phase power on demand, and flexibly compatible with various power grids (optional)

GINLONG TECHNOLOGIES CO., LTD.

t: +86 574 6580 2188 e: sales@ginlong.com
w: solisinverters.com service@ginlong.com

# DATASHEET

| Models | 150K07-NV | 200K07-HV |
|---|---|---|
| **Input DC** | | |
| Max. input voltage | 1100 V | |
| Rated voltage | 600 V | 720 V |
| Start-up voltage | 180 V | |
| MPPT voltage range | 160 - 1000 V | |
| Max. input current | 7 × 54 A | |
| Max. current per DC input | 54 A | |
| Max. short circuit current | 7 × 75 A | |
| MPPT number / Max. input strings number | 7 / 21 | |
| **Output AC** | | |
| Rated output power | 150 kW | 200 kW@35°C |
| Max. apparent output power | 165 kVA | 200 kVA |
| Max. output power | 165 kW | 200 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V | 3/PE, 480 V |
| Rated grid frequency | 50 Hz / 60 Hz | |
| Rated grid output current | 216.5 A / 227.9 A | 240.6 A |
| Max. output current | 250.6 A | 240.6 A |
| Power factor | > 0.99 (0.8 leading - 0.8 lagging) | |
| THDi | < 3% | |
| **Efficiency** | | |
| Max. efficiency | 98.8% | |
| EU efficiency | 98.3% | |
| **Protection** | | |
| DC reverse-polarity protection | Yes | |
| Short circuit protection | Yes | |
| Output over current protection | Yes | |
| Surge protection | DC Type II / AC Type II (AC Type I Optional) | |
| Grid monitoring | Yes | |
| Anti-islanding protection | Yes | |
| Temperature protection | Yes | |
| Strings monitoring | Yes | |
| I/V Curve scanning | Yes | |
| Night SVG function | Yes | |
| Integrated AFCI 2.0 | Optional | |
| Integrated PID recovery | Optional | |
| Integrated DC switch | Yes | |
| 3-phase unbalanced output | Optional | |
| **General Data** | | |
| Dimensions (W × H × D) | 1035.5 × 869 × 396 mm | |
| Weight | 105 kg | |
| Topology | Transformerless | |
| Self-consumption (night) | < 2 W | |
| Operating ambient temperature range | -30 ~ +60°C | |
| Relative humidity | 0 - 100% | |
| Ingress protection | IP66 | |
| Cooling concept | Intelligent fan-cooling | |
| Max. operation altitude | 4000 m | |
| Grid connection standard | G99, IEC61727, EN50549-1/2, VDE4110 | |
| Safety / EMC standard | IEC/EN 62109-1/-2, IEC60947-2, IEC/EN 61000-6-2/-4 | |
| **Features** | | |
| DC connection | MC4 connector | |
| AC connection | OT terminal (max. 400 $mm^2$) | |
| Display | LED indicator & Bluetooth + APP | |
| Communication | RS485, Optional: Wi-Fi, GPRS, PLC | |