

**NEW****150K****Grid-Tied Inverters****S6-GC3P150K07-NV-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**

- Master-slave 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 master-slave export power control+ three-phase unbalanced output control, allocate each phase power on demand, and flexibly compatible with various power grids (optional)

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DATASHEET

| Models | 150K |
|---|--|
| Input DC | |
| Max. input voltage | 1100 V |
| Rated voltage | 600 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 |
| Max. apparent output power | 165 kVA |
| Max. output power | 165 kW |
| Rated grid voltage | 3/N/PE, 220 V / 380 V, 230 V / 400 V |
| Rated grid frequency | 50 Hz / 60 Hz |
| Rated grid output current | 216.5 A / 227.9 A |
| Max. output current | 250.6 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 |
| 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 |