

**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)

IRELAND

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# DATASHEET

| Models                                  | 150K   |
|---|--|
| <b>Input DC</b>                         |  |
| 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   |
| <b>Output AC</b>                        |  |
| 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%   |
| <b>Efficiency</b>                       |  |
| Max. efficiency                         | 98.8%  |
| EU efficiency                           | 98.3%  |
| <b>Protection</b>                       |  |
| 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   |
| <b>General Data</b>                     |  |
| 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 |
| <b>Features</b>                         |  |
| DC connection                           | MC4 connector                                      |
| AC connection                           | OT terminal (max. 400 mm <sup>2</sup> )            |
| Display                                 | LED indicator & Bluetooth + APP                    |
| Communication                           | RS485, Optional: Wi-Fi, GPRS, PLC                  |