

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

- 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)

IRELAND

t: +353 1592 0312 (service)
w: solisinverters.com/ie
e: europesales@solisinverters.com
ukservice@solisinverters.com

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 (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