



**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)



# DATASHEET

Models	150K07-NV	200K07-HV
<b>Input DC</b>		
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
<b>Output AC</b>		
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%
<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