

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

# Solis Three Phase Grid-Tied Inverters

### Efficient

- 7 MPPTs, max. efficiency 98.8%
- > 150% DC/AC ratio
- Single MPPT maximum current 54A, perfectly match large current bifacial modules

### Smart

- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

### Economic

- Power line communication (PLC) (optional)
- Night time PID recovery function, increases overall system yield (optional)
- DC side supports "Y" connector

### Models:

S6-GC3P150K07-NV-ND

S6-GC3P200K07-HV-ND



**DATASHEET**
**S6-GC3P(150-200)K07-ND**

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. 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@30°C / 180kW@40°C / 160kW@50°C
Max. apparent output power	165 kVA	220 kVA
Max. output power	165 kW	220 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%
DC injection current		0.5%I <sub>n</sub>
<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
Insulation resistance monitoring		Yes
Residual current detection		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
Integrated AFCI 2.0		Optional
Integrated PID recovery		Optional
Integrated DC switch		Yes
<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
Noise emission (typical)		≤ 80 dB(A)
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, 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: S3-WiFi-ST, S3-GRPS-ST, PLC