

## S6-GC3P(80-100)K07-LV-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-GC3P80K07-LV-ND

S6-GC3P100K07-LV-ND



**DATASHEET**
**S6-GC3P(80-100)K07-LV-ND**

Models	80K	100K
<b>Input DC</b>		
Max. input voltage	800 V	
Rated voltage	450 V	
Start-up voltage	180 V	
MPPT voltage range	160 - 800 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	80 kW	100 kW <sup>(1)</sup>
Max. apparent output power	88 kVA	100 kVA
Max. output power	88 kW	100 kW
Rated grid voltage	3/N/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	209.9 A	251 A
Max. output current	230.9 A	251 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	
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	
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: Wi-Fi, GPRS, PLC	

(1) 95.6 kW for 220 V