

## S5-GC30K-BE

Solis Three Phase Inverters

### >> Models:

S5-GC30K-BE



360° View



### Efficient

- Max. efficiency 98.5%
- String current up to **16A**
- 3 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)
- Wide voltage range and low startup voltage

### Smart

- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, WiFi, GPRS
- Scan to register on SolisCloud, supports remote upgrade and control

### Safe

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

### Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs
- Supports aluminium wire access to reduce cost

**DATASHEET****S5-GC30K-BE****Models****30K-BE****Input DC**

Recommended max. PV power	45 kW
Max. input voltage	1100 V
Rated voltage	600 V
Start-up voltage	180 V
MPPT voltage range	200-1000 V
Max. input current	32 A / 32 A / 32 A
Max. short circuit current	40 A / 40 A / 40 A
MPPT number/Max. input strings number	3/6

**Output AC**

Rated output power	30 kW
Max. apparent output power	30 kVA
Max. output power	30 kW
Rated grid voltage	3/N/PE, 230 V / 400 V
Rated grid frequency	50 Hz
Rated grid output current	43.3 A
Max. output current	43.3 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%

**Efficiency**

Max. efficiency	98.5%
EU efficiency	98.1%

**Protection**

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 (DC arc-fault circuit protection)	Yes <sup>(1)</sup>
Integrated PID recovery	Optional
Integrated DC switch	Optional

**General Data**

Dimensions (W*H*D)	647*629*252 mm
Weight	37 kg
Topology	Transformerless
Self-consumption (night)	<1 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP66
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000 m
Grid connection standard	C10/11
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4

**Features**

DC connection	MC4 connector
AC connection	OT terminal
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS

(1) Activation required.