solis

GINLONG TECHNOLOGIES CO.,LTD.

S5-GC(25-36)K-LV

Solis Three Phase Grid-Tied Inverters

Features:

- 4 MPPT, max. efficiency 98.4%
- Nighttime PID recovery function (optional)
- AFCI protection, proactively reduces fire risk
- Intelligent string monitoring, smart I-V curve scan
- 24-hour load consumption monitoring
- IP66, C5 Anti-Corrosion level
- Night SVG function

Models:

S5-GC25K-LV

S5-GC30K-LV

S5-GC36K-LV

360º View

DATASHEET

S5-GC(25-36)K-LV

Models	25K	30K	36K
Input DC			
Max. input voltage		1100 V	
Rated voltage		360 V	
Start-up voltage		195 V	
MPPT voltage range		180 - 1000 V	
Max. input current		4 × 32 A	
Max. short circuit current		4 × 40 A	
MPPT number / Max. input strings number		4 / 8	
Output AC			
Rated output power	25 kW	30 kW	36 kW
Max. apparent output power	27.5 kVA	33 kVA	36 kVA
Max. output power	27.5 kW	33 kW	36 kW
Rated grid voltage		3/(N)/PE, 220 V	
Rated grid frequency		50 Hz / 60 Hz	
Rated grid output current	65.6 A	78.7 A	94.5 A
Max. output current	72.2 A	86.6 A	94.5 A
Power factor		> 0.99 (0.8 leading - 0.8 lagging)	
THDi		< 3%	
Efficiency			
Max. efficiency		98.4%	
EU efficiency		98.0%	
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	
Multi peak scan		Yes	
Integrated AFCI 2.0		Optional	
Integrated PID recovery		Optional [1]	
Integrated DC switch		Yes	
General Data			
Dimensions (W × H × D)		691 × 578 × 338 mm	
Weight		53.7 kg	
Topology		Transformerless	
Self-consumption (night)		< 1 W	
Operating ambient temperature range		-25 ~ +60°C	
Relative humidity		0 - 100%	
Ingress protection		IP66	
Noise emission (typical)		< 55 dB(A)	
Cooling concept		Intelligent fan-cooling	
Max. operation altitude		4000 m	
Grid connection standard		UL 1741, IEEE 1547, NBR 16149, NBR 16150, C10-11, REN 342	
Safety / EMC standard		IEC 62109-1/-2, IEC62116 & IEC 61000-6-1/-2/-3/-4	
Features			
DC connection		MC4 connector	
AC connection		OT terminal (max. 70 mm^2)	
Display		LCD	
Communication		RS485, USB, Optional: Wi-Fi, GPRS	

(1) Due to the similar functional logic, when the night time PID-Recovery function is integrated, the night time var compensation function can not be used. Also, the negative grounding option is not available for inverters with night time PID-Recovery function.