

S5-GC(25-36)K-LV

Solis Three Phase Grid-Tied Inverters

Efficient

- Max. efficiency 98.4%
- String current up to 16A
- 4 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)

Smart

- Night SVG function
- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Scan to register on SolisCloud, supports remote upgrade and control

Safe

- IP66, C5 Anti-Corrosion Level
- Intelligent fan-cooling
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- DC side supports "Y" connector
- 8 string inputs allow for 150%+ DC oversizing

Models:

S5-GC25K-LV

S5-GC30K-LV

S5-GC36K-LV



360° 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.