



Grid-Tied Inverters

S6-GC3P(23-36)K-LV-ND

3/4 MPPT | 42A per MPPT

- 3/4 MPPT, max. efficiency 97.8%
- AFCI protection, proactively reduces fire risk
- String current up to 21A
- Intelligent string monitoring, smart I-V curve scan
- > 170% DC/AC ratio
- Dual independent RS485 ports, supporting communication with multiple devices
- Nighttime PID recovery function (optional)

GINLONG TECHNOLOGIES CO., LTD.

t: +86 574 6580 2188 e: sales@ginlong.com
w: solisinverters.com service@ginlong.com



DATASHEET

S6-GC3P(23-36)K-LV-ND

Models	23K03		25K04	30K04	36K04
Input DC					
Max. input voltage	1100 V				
Rated voltage	400 V				
Start-up voltage	180 V				
MPPT voltage range	180 - 1000 V				
Max. input current	42 A / 42 A / 42 A	4 × 42 A			
Max. short circuit current	52.5 A / 52.5 A /52.5 A	4 × 52.5 A			
MPPT number / Max. input strings number	3 / 6	4 / 8			
Output AC					
Rated output power	23 kW	25 kW	30 kW	36 kW	
Max. apparent output power	23 kVA	25 kVA	30 kVA	36 kVA	
Max. output power	23 kW	25 kW	30 kW	36 kW	
Rated grid voltage	3/PE, 220 V / 230 V				
Rated grid frequency	50 Hz / 60 Hz				
Rated grid output current	60.4 A / 57.7 A	65.6 A / 62.8 A	78.7 A / 75.3 A		94.5 A / 90.4 A
Max. output current	60.4 A / 57.7 A	65.6 A / 62.8 A	78.7 A / 75.3 A		94.5 A / 90.4 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)				
THDi	< 3%				
Efficiency					
Max. efficiency	97.8%				
EU efficiency	97.3%				
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				
Integrated DC switch	Yes				
General Data					
Dimensions (W × H × D)	508 × 612 × 288 mm				
Weight	32.6 kg	35.9 kg			36.2 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)	≤ 60 dB(A)				
Cooling concept	Intelligent fan-cooling				
Max. operation altitude	4000 m				
Grid connection standard	G98 or G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1, VDE 0126/UTE C 15/VFR:2019, RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC60068, IEC 61683, EN 50530				
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	LED indicator & Bluetooth + APP				
Communication	RS485, Optional: Wi-Fi, GPRS				