

S6-GC3P(15-20)K03-LV-ND

Solis Three Phase Grid-Tied Inverters

Features:

- Max. efficiency 97.8%
- String current up to 20A
- > 150% DC/AC ratio, supports high power modules
- Automatic voltage stabilization technology in weak grid conditions
- AFCI protection, proactively reduces fire risk
- Supports RS485/ WiFi/GPRS/4G
- Scan to register on SolisCloud, supports remote upgrade and control

Models:

S6-GC3P15K03-LV-ND

S6-GC3P20K03-LV-ND



DATASHEET

S6-GC3P(15-20)K03-LV-ND

Models	15K	20K
Input DC		
Recommended max. PV power	22.5 kW	30 kW
Max. input voltage	1100 V	
Rated voltage	360 V	
Start-up voltage	180 V	
MPPT voltage range	180-1000 V	
Max. input current	40 A / 40 A / 40 A	
Max. short circuit current	50 A / 50 A / 50 A	
MPPT number/Max. input strings number	3/6	
Output AC		
Rated output power	15 kW	20 kW
Max. apparent output power	15 kVA	20 kVA
Max. output power	15 kW	20 kW
Rated grid voltage	3/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	39.4 A	52.5 A
Max. output current	39.4 A	52.5 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	
Integrated AFCI 2.0	Optional	
Integrated DC switch	Yes	
General Data		
Dimensions (W*H*D)	355*625*250 mm	
Weight	26.8 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 redundant 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 digital display & LED indicator	
Communication	RS485, Optional: Wi-Fi, GPRS	