

S6-GC3P(25-36)K03-NV-ND

Solis Three Phase Grid-Tied Inverters

Features:

- Max. efficiency 98.5%
- 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-GC3P25K03-NV-ND

S6-GC3P30K03-NV-ND

S6-GC3P33K03-NV-ND

S6-GC3P36K03-NV-ND



DATASHEET

S6-GC3P(25-36)K03-NV-ND

Models	25K	30K	33K
Input DC			
Recommended max. PV power	37.5 kW	45 kW	49.5 kW
Max. input voltage	1100 V		
Rated voltage	600 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	25 kW	30 kW	33 kW
Max. apparent output power	27.5 kVA	33 kVA	36.3 kVA
Max. output power	27.5 kW	33 kW	36.3 kW
Rated grid voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V		
Rated grid frequency	50 Hz / 60 Hz		
Rated grid output current	38.0 A / 36.1 A	45.6 A / 43.3 A	50.1 A / 47.6 A
Max. output current	41.8 A	50.2 A	55.1 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)		
THDi	<3%		
Efficiency			
Max. efficiency	98.5%		
EU efficiency	98%		
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		
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, Bluetooth + APP		
Communication	RS485, Optional: Wi-Fi, GPRS		