



10-15K

Grid-Tied Inverters

S5-GR3P(10-15)K-LV(21A)

2 MPPT | 21A/32A/42A per MPPT



- String current up to 21A
- > 150% DC/AC ratio
- IP66, C5 Anti-Corrosion Level
- 24-hour load consumption monitoring
- Dual independent RS485 ports, supporting communication with multiple devices
- Adaptive weak grid

PHILIPPINES

t: +86 574 6580 2188 (sales) +63 2 8372 7945 (service)
e: sales@ginlong.com phservice@solisinverters.com
w: solisinverters.com



DATASHEET

Models	10K	15K
Input DC		
Recommended max. PV power	15 kW	22.5 kW
Max. input voltage	600 V	
Rated voltage	330 V	
Start-up voltage	160 V	
MPPT voltage range	160 - 500 V	
Max. input current	32 A / 21 A	42 A / 32 A
Max. short circuit current	40 A / 26.3 A	52.5 A / 40 A
MPPT number / Max. input strings number	2 / 3	2 / 4
Output AC		
Rated output power	10 kW	15 kW
Max. apparent output power	10 kVA	15 kVA
Max. output power	10 kW	15 kW
Rated grid voltage	3/PE, 220 V / 230 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	26.2 A / 25.1 A	39.4 A / 37.7 A
Max. output current	26.2 A / 25.1 A	39.4 A / 37.7 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDi	< 3%	
Efficiency		
Max. efficiency	98.0%	
EU efficiency	97.5%	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Anti-islanding protection	Yes	
Temperature protection	Yes	
I/V Curve scanning	Yes	
Multi peak scan	Yes	
Integrated AFCI 2.0	Optional	
Integrated DC switch	Yes	
General Data		
Dimensions (W × H × D)	310 × 518 × 219 mm	
Weight	20.3 kg	21.4 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)	< 40 dB(A)	< 50 dB(A)
Cooling concept	Natural cooling with internal fan	Intelligent fan-cooling
Max. operation altitude	4000 m	
Grid connection standard	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, IEC 60068, 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	Quick connection plug	
Display	LCD	
Communication	RS485, Optional: Wi-Fi, GPRS	