



23-36K

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
- > 150% DC/AC ratio
- Dual independent RS485 ports, supporting communication with multiple devices
- Nighttime PID recovery function (optional)

PHILIPPINES

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DATASHEET

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)	≤ 55 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			