



SOFAR INVERTER

25KTLX-G3

25K INV066

FEATURES & BENEFITS

- 3 MPP trackers with 1.5*DC overload
- Type II SPD for both DC and AC side
- Lower start voltage, wide MPPT voltage range
- Smart I/V curve scanning
- Smart monitoring, remote firmware upgrade
- Max. efficiency up to 98.9%
- Longtime 110% AC overload ability
- Optional AFCI protection
- Compatible with 500W+ PV modules
- Optional Anti-PID function

SOFAR INVERTER	25KTLX-G3
Product code	INV066
INPUT (DC)	
Recommended Max. PV input power	37500Wp
Max. DC power for single MPPT	25000Wp
Number of MPP trackers	3
Number of DC inputs	2 for each MPPT
Max. input voltage	1100V
Start-up voltage	200V
Rated input voltage	620V

SOFAR INVERTER	25KTLX-G3
MPPT operating voltage range	180~1000V
Full power MPPT voltage range	480~850V
Max. input MPPT current	3*40A
Max. DC input short circuit current	3*50A
OUTPUT(AC)	
Rated power	25000W
Max. AC power	28000VA
Rated output current	36.2A
Max. output current	42.4A
Rated grid voltage	3/N/PE,230/400Vac
Grid voltage range	310Vac-480Vac (According to local standard)
Rated frequency	50/60Hz
Grid frequency range	45Hz-55Hz/55Hz-65Hz (According to local standard)
Active power adjustable range	0~100%
THDi	<3%
Power factor	1 (adjustable+/-0.8)
EFFICIENCY	
Max efficiency	98,6%
European weighted efficiency	98,2%
PROTECTION	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Anti reverse power function	Yes
DC switch	Optional
Input/ output SPD	PV: Type II standard, AC: Type II standard
COMMUNICATION	
Communication	RS485/Bluetooth, Optional: WiFi/Ethernet
GENERAL DATA	
Ambient temperature range	-30°C~+60°C
Self-consumption at night	<3W
Topology	Transformer-less
Degree of protection	IP65
Allowable relative humidity range	0~100%
Max. operating altitude	4000m
Noise	<60dB
Weight	36kg
Cooling	Fan
Dimension	585×480×220mm
Display	LCD, App via Bluetooth
STANDARD	
EMC	EN 61000-6-1, EN 61000-6-2,EN 61000-6-3, EN 61000-6-4
Safety standards	IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 60255
Grid standards	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G98/G99, EN50530
Warranty	5 years