



# SOFAR THREE-PHASE INVERTER

60kTL

60000

INV067

## FEATURES & BENEFITS

- Super large 4-inch LCD
- Outdoor IP65 protection level
- Sound and light alarm function
- DC SPD Class 2, over/under voltage, over current, over temperature, island and other multiple protections
- Fuse free design
- Built-in DRM port and logic
- Max. efficiency up to 98.6%

SOFAR INVERTER	60kTL
Product Code	INV067
<b>INPUT (DC)</b>	
Recommended Max. PV input power	79800Wp
Max DC power for single MPPT	22000W 22000W 22000W
Number of MPP trackers	
Number for DC inputs	4/4/2004
Max. input voltage	1000V
Start-up voltage	350V
Rated input voltage	600V
MPPT operating voltage range	250V-950V
Full power MPPT voltage range	530V-800V
Max. input MPPT current	40A/40A/40A
Max. input current per string	12A
Maximum DC input short circuit current per MPPT	48A

SOFAR INVERTER	60kTL
<b>OUTPUT(AC)</b>	
Rated power	60000W
Max. AC power	60000VA
Max. Output current	90A
Nominal grid voltage	3/N/PE, 220/380Vac, 230/400Vac, 240/415Vac
Grid voltage range	310Vac-480Vac (According to local standard)
Nominal frequency	50/60Hz
Grid Frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)
Active power adjustable range	0~100%
THDi	<3%
Power factor	>0.99 ( adjustable+/-0.8 )
<b>PERFORMANCE</b>	
Max efficiency	98,6%
European weighted efficiency	98,4%
Self-consumption at night	<1W
MPPT efficiency	>99.9%
<b>PROTECTION</b>	
DC reverse polarity protection	Yes
DC switch	Yes
Protection class/ over-voltage category	I/III
Input/ output SPD(III)	PV: type II standard, AC: type II optional
Safety protection	Anti islanding, RCMU, Ground fault monitoring
ARPC	Anti reverse power controller (optional)
<b>COMMUNICATION</b>	
Power management unit	According to certification and request
Standard communication mode	RS485, WiFi/Ethernet/GPRS/4G (optional), SD card, Multi-function relay
<b>GENERAL DATA</b>	
Ambient temperature range	-25°C~+60°C
Topology	Transformer-less
Degree of protection	IP65
Allowable relative humidity range	0~100%
Max. operating altitude	4000m
Noise	≤60dB
Weight	70kg
Cooling	Fan
Dimension	713*737*297mm
Display	LCD display
<b>STANDARD</b>	
EMC	EN 61000-6-2, EN 61000-6-4, EN 61000-3-11, EN 61000-3-12
Safety standard	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)
Grid standard	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, BDEW, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G59, EN50530, NB/T32004
Warranty	5 years