











# SOFAR 75KTL

## Three-Phase

## Eight MPPTs

-  Max. efficiency up to 98.6%
-  Outdoor IP66 protection level
-  Type II SPD for both DC and AC
-  Support Modbus communication, external Wifi/ PLC/ GPRS (optional)
-  AC / DC dual power supply redundant design, 24-hour status monitoring
-  Remote firmware upgrade
-  I-V curve scanning function
-  8 MPP trackers with 1.5\* DC overload

# Datasheet

# SOFAR 75KTL

## Input (DC)

Max. input voltage	1100V
Rated input voltage	625V
Start-up voltage	200V
MPPT operating voltage range	180V-1000V
Full power MPPT voltage range	500V-850V
Number of MPP trackers	8
Number for DC inputs	16
Max. input current per MPPT	26A
Max. input short circuit current per MPPT	40A

## Output (AC)

Rated power	75kW
Max. AC power	75kVA
Max. output current	113A
Nominal grid voltage	3/N/PE, 230V/400Vac, 220V/380Va
Grid voltage range	310Vac-480Vac
Nominal frequency	60Hz
Grid frequency range	54Hz-66Hz ( According to local standard )
Active power adjustable range	0~100%
THDi	<3%
Power factor	1 default (adjustable +/- 0.8)

## Performance

Max. Efficiency	98.60%
European weighted efficiency	98.20%
MPPT efficiency	>99.9%

## Protection

DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Zero voltage ride through	Yes
DC switch	Yes
Anti-PID protection	Optional
AFCI	Optional
Protection class/ Overvoltage category	I/III
Input/ Output SPD	PV: type II standard, AC: type II standard

## Communication

Power management unit	According to certification and request
Communication	RS485, Optional: WiFi /GPRS /PLC
Operation data storage	25 years

## General Data

Ambient temperature range	-30°C ~ +60°C
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0~100%
Max. operating altitude	4000m
Weight	88kg
Cooling	Smart forced air cooling
Dimension	995.5*663.5*368mm
Display	LCD&Bluetooth+APP
Warranty	5 years/ 7 years/ 10 years

## Standard

EMC	EN 61000-6-2, EN 61000-6-4
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, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G99, EN50530, NB/T32004