











SOFAR 75KTL

Three-Phase

Eight MPPTs

-  99% 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
-  12 MPPT 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