



SUN2000-125KTL-M0

Product Parameters Of SUN2000-125KTL-M0

Technical Specifications	SUN2000-125KTL-M0
	Efficiency
Max. Efficiency	99.0%
Chinese efficiency	98.3%
	Input
Max. input voltage	1100 V
Max. current per MPPT	26A
Max. short circuit current per MPPT	40A
Start-up voltage	750v
MPPT Operating voltage range	200 V-1000V
Rated input voltage	1080V
Number of input	20
Number of MPPT trackers	10
	Output
Rated AC Active POver	125,000W
Max.AC Apparent Power	137.500VA
Max.AC Active power	137.500W
Rated output voltage	3x288V/500V,3W+PE
Rated AC grid frequency	50Hz
Rated output Current	144.4A
Max. Output Current	160.4A
Adjustable Power Factor Range	0.8 leading ... 0.8 lagging
Max. Total Harmonic Distortion	3 %
	Protections
Input-side Disconnection Device	Yes
Anti-Islanding Protection	Yes
AC Overcurrent Protection	Yes
DC Reverse-polarity Protection	Yes
PV-array String Fault Monitoring	Yes
DC Surge Arrester	Type II
AC Surge Arrester	Type II
DC Insulation Resistance Detection	Yes
Residual Current Monitoring Unit	Yes

Communication	
Display	LED Indicators, Bluetooth + APP
USB	Yes
RS485	Yes
Power Line Communication (PLC)>	Yes
General Data	
Dimensions (W x H x D)(incl. mounting plate)	1035 * 700 * 365 mm
Weight (with mounting plate)	85 kg
Operation Temperature Range	-25 ~ + 60 °C (-13 °F ~ 140 °F)
Cooling	Natural Convection
Operating altitude	5,000 m (>4000M derating)
Relative operating humidity	0 % RH ~ 100% RH
Input Terminal	Amphenol HH4
Output Terminal	OT Terminal
Degree of protection	IP66

Efficiency curve and circuit block diagram of HUAWEI SUN2000-125KTL-M0

