

MID 40KTL3-X



- The maximum efficiency is up to 98.8%
- AFCI function ready
- Self-consumption monitoring
- Touch key and OLED display
- Type II SPD on DC and AC side

Datasheet	MID 40KTL3-X
Input data (DC)	
Max. recommended PV power (for module STC)	60000W
Max. DC voltage	1100V
Start voltage	250V
Normal voltage	600V
MPPT voltage range	200-1000V
No. of MPP trackers	4
No. of PV strings per MPP tracker	2
Max.input current per MPP tracker	26A
Max. short-circuit current per MPP tracker	32A
Output data (AC)	
AC nominal power	40000W
Max. AC apparent power	44000VA
Nominal AC voltage (range*)	220V/380V, 230V/400V (340-440V)
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)
Max. output current	66.6A
Adjustable power factor	0.8leading...0.8lagging
THDi	<3%
AC grid connection type	3W+N+PE
Efficiency	
Max.efficiency	98.8%
European efficiency	98.5%
MPPT efficiency	99.9%
Protection devices	
DC reverse polarity protection	Yes
DC Switch	Yes
AC/DC surge protection	Type II / Type II
Insulation resistance monitoring	Yes
AC short-circuit protection	Yes
Ground fault monitoring	Yes
Grid monitoring	Yes
Anti-islanding protection	Yes
Residual-current monitoring unit	Yes
String monitoring	Yes
AFCI protection	Yes
General data	
Dimensions (W / H / D)	580/435/230mm
Weight	30.5kg
Operating temperature range	-25°C ... +60°C
Nighttime power consumption	< 1W
Topology	Transformerless
Cooling	Smart air cooling
Protection degree	IP66
Relative humidity	0-100%
Altitude	4000m
DC connection	H4/MC4(Optional)
AC connection	Cable gland+OT terminal
Display	OLED+LED/WIFI+APP
Interfaces: RS485/USB/ WiFi/GPRS/RF/LAN	Yes/Yes/Optional/Optional/Optional/Optional
Warranty: 5 years / 10 years	Yes/Optional
PEA, MEA, CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116,IEC61727, IEC 60068, IEC 61683, CEI0-21, CEI0-16, N4105, TOR Erzeuger, G98/G99, G100, AS/NZS 3100, AS4777, UNE217001, UNE206007, PO12.2, KSC8565	

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.