

MID 50KTL3-X2

- Maximum string input current 16A
- Type II SPD on DC and AC side
- I/V curve scanning
- Intelligent string monitoring
- AFCI function optional



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preliminary

Datasheet

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Input data (DC)

Max. recommended PV power (for module STC)	75000W
Max. DC voltage	1100V
Start Voltage	200V
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	32A
Max. short-circuit current per MPP tracker	40A

Output data (AC)

AC nominal power	50000W
Max. AC apparent power	55500VA
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	84.1A
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
AFCl protection	Optional

General data

Dimensions (W / H / D)	580/435/230mm
Weight	37kg
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

CE, VDE0126, Greece, EN50549-1, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger, G98/G99, G100, UNE217001, UNE206007, PO12.2

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