MID 30~50KTL3-X2

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





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Datasheet	MID 30KTL3-X2	MID 33KTL3-X2	MID 36KTL3-X2	MID 40KTL3-X2	MID 50KTL3-X2
Input data (DC)					
Max. recommended PV power (for module STC)	45000W	49500W	54000W	60000W	75000W
Max. DC voltage	1100V				
Start voltage	200V				
Normal voltage	600V				
MPPT voltage range	200-1000V				
No. of MPP trackers	2	3	3	4	4
No. of PV strings per MPP tracker	2/3	2	2	2	2
Max.input current per MPP tracker	32A/48A	32A	32A	32A	32A
Max. short-circuit current per MPP tracker	40A/60A	40A	40A	40A	40A
Output data (AC)					
AC nominal power	30000W	33000W	36000W	40000W	50000W
Max. AC apparent power	33300VA	36600VA	40000VA	44400VA	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	50.5A	55.5A	60.6A	67.3A	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				
AFCI protection	Optional				
General data					
Dimensions (W / H / D)	528/415/225mm	580/435/230mm	580/435/230mm	580/435/230mm	580/435/230mm
Weight	24kg	34kg	34kg	38kg	38kg
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, VDE 0126, Greece EN 50549-1, C10/C11, UTE C 15-712, IEC 60068, IEC 61683, CEI 0-21, N 4105, TOR Erzeuger, G98/G99, G100, UNE 217001, UNE 206007, 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.

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