MID 33-50KTL3-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 33KTL3-X2	MID 36KTL3-X2	MID 40KTL3-X2	MID 50KTL3-X2
Input data (DC)				
Max. recommended PV power (for module STC)	49500W	54000W	60000W	75000W
Max. DC voltage	1100V			
Start Voltage	200V			
Normal Voltage	600V			
MPPT voltage range	200V-1000V			
No. of MPP trackers	3	3	4	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	33000W	36000W	40000W	50000W
Max. AC apparent power	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	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	98.5%	98.8%	98.8%	98.8%
European efficiency	98.3%	98.5%	98.5%	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	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			
Monitor	ShineWilan-X2 (for single device), ShineMaster4G-X or SEM-XA-R (for parallel devices)			
Warranty: 5 years / 10 years	Yes/Optional			
	CE,EN50549-1,IEC62116,IEC61727, BIS,TOR Erzeuger Typ A, IEC62910,IEC61683,IEC60068,CEI-021,CEI-016,CQC,DRRG, KS, N4105,UKCA,VDE0126,C10/C11,INMETRO,UNE217001,UNE217002,NTS Type A,Polond,Denmark			

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

* AFCI function need to be activated after installation.

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