

MID 8~15KTL3-XHL

- Battery ready, up to 15kW
- DC/AC ratio up to 2.0
- AFCI function ready
- Type II SPD on DC and AC sides
- 24h self-consumption monitoring



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Preliminary

Datasheet	MID 8KTL3-XHL		MID 10KTL3-XHL		MID 12KTL3-XHL		MID 15KTL3-XHL	
Input data (DC)								
Max. recommended PV power (for module STC)	16000W		20000W		24000W		30000W	
Max. DC voltage	1100V							
Start voltage	200V							
Nominal voltage	360V							
MPPT voltage range	160V-800V							
No. of MPP trackers	3							
No. of PV strings per MPP tracker	2							
Max. input current per MPP tracker	32A							
Max. short-circuit current per MPP tracker	40A							
Input data (DC battery)								
Compatible battery	APX HV Battery System (5kWh~30kWh)							
Operating voltage range	350V-650V							
Max.operating current	25A							
Max.charge power	15000W							
Max.discharge power	8000W		10000W		12000W		15000W	
Output data (AC)								
AC nominal power	8000W		10000W		12000W		15000W	
Max. AC apparent power	8000VA		10000VA		12000VA		15000VA	
Nominal AC voltage (range*)	127V/220V, 133V/230V							
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)							
Max. output current	21A		26.3A		31.5A		39.4A	
Adjustable power factor	0.8leading...0.8lagging							
THDi	<3%							
AC grid connection type	3W+PE							
Efficiency								
MAX. efficiency	98.0%							
European efficiency	98.5%							
Protection								
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 fault monitoring	Yes							
AFCL protection	Yes							
General data								
Dimensions (W / H / D)	579/433/217.5mm							
Weight	29.5kg							
Operating temperature range	-25°C ... +60°C							
Nighttime power consumption	<5.5W							
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: USB/RS485/WiFi/GPRS/LAN/RF	Yes/Yes/Optional/Optional/Optional/Optional							
Warranty: 5 years /10 years	Yes/Optional							
CE, VDE0126, Greece, EN50549-1, C10/C11, VFR 2019, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21/CEI0-16, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2								