

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-850V			
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	97.5%			
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			
AFCI 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, EN50549-1				