

# 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
<b>Input data (DC)</b>				
Max. recommended PV power (for module STC)	16000W	20000W	24000W	30000W
Max. DC voltage			850V	
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	
<b>Input data (DC battery)</b>				
Compatible battery	APX HV Battery System (5kWh~30kWh)			
Operating voltage range	560V-850V			
Max. operating current	26.8A* <sup>1</sup> or 21.4A/21.4A* <sup>2</sup>		26.8A* <sup>1</sup> or 26.8A/26.8A* <sup>2</sup>	
Max. charge power	15000W* <sup>1</sup> or 12000W/12000W* <sup>2</sup>		15000W* <sup>1</sup> or 15000W/15000W* <sup>2</sup>	
Max. discharge power	8000W	10000W	12000W	15000W
<b>Output data (AC)</b>				
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)			
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			
<b>Efficiency</b>				
MAX. efficiency	98.0%			
European efficiency	97.5%			
<b>Protection</b>				
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			
<b>General data</b>				
Dimensions (W / H / D)	579/433/217.5mm			
Weight	29.5kg			
Operating temperature range	-25°C ... +60°C			
Nighttime power consumption	<5W			
Topology	Transformerless			
Cooling	Smart air cooling			
Protection degree	IP66			
Relative humidity	0~100%			
Altitude	4000m			
DC connection	H4/MC4(Opt)			
AC connection	Cable gland+OT terminal			
Display	OLED+LED/WIFI+APP			
Interfaces: USB/RS485/WiFi/GPRS/LAN/RF	Yes/Yes/Opt/Opt/Opt/Opt			
Warranty: 10 years	Yes			
CE, EN 50549-1				

\* There are two battery ports for the MID 8-15KTL3-XHL, the parameters might be different when the number of battery clusters is different.

\*1 refers to one cluster parameter, \*2 refers to two cluster parameter.