MID 8-15KTL3-XH L

- Suitable for delta grid
- Battery ready, up to15kW
- 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 8000TL3-XH L	MID 10KTL3-XH L	MID 12KTL3-XH L	MID 15KTL3-XH L
Input data (DC)				
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			
Full load voltage range*	200V-650V		250V-650V	
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~60kWh)			
Operating voltage range	560V-980V			
Max. operating current	26.8A*1 or 21.4A/21.4A*2	26.8A*1 or 26.8A/26.8A*2		
Max. charge power	15000W*1 or 12000W/12000W*2	15000W*1 or 15000W/15000W*2		
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	127V/220V, 133V/230V			
AC grid frequency (range)	50/60 Hz (45-55Hz/55-65Hz)			
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	30kg			
Operating temperature range	-25℃ ... +60℃ (>45℃ Derating)			
Nighttime power consumption	<5.5W			
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, IEC 62116 , IEC 61727				

* To achieve maximum efficiency and prolonged lifetime, please ensure that configure the system following up within the "full load voltage range".
* 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.

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