

MID 25~30KTL3-XH

- Battery ready, up to 30kW
- DC/AC ratio up to 2
- AFCI function ready
- Type II SPD on DC and AC side
- 24h self-consumption monitoring



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Preliminary

Datasheet	MID 25KTL3-XH	MID 30KTL3-XH
Input data (DC)		
Max. recommended PV power (for module STC)	50000W	60000W
Max. DC voltage		1100V
Start voltage		200V
Nominal voltage		600V
MPPT voltage range		160V-1000V
No. of MPP trackers		3
No. of PV strings per MPP tracker		2/2/2
Max. input current per MPP tracker		32/32/32A
Max. short-circuit current per MPP tracker		40/40/40A
Input data (DC battery)		
Compatible battery	APX HV Battery System (5kWh~60kWh)	
Operating voltage range	600 V-980 V	
Max. operating current	25A	
Max. charge power	15000W	
Max. discharge power	15000W	
Output data (AC)		
AC nominal power	25000W	30000W
Max. AC apparent power	27500VA	30000VA
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	41.6A	45.5A
Adjustable power factor	0.8leading...0.8lagging	
THDi	<3%	
AC grid connection type	3W+N+PE	
Efficiency		
MAX. efficiency	98.7%	98.8%
European efficiency		98.5%
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 fault monitoring	Yes	
AFCI protection	Yes	
General data		
Dimensions (W / H / D)	580/435/230mm	
Weight	31kg	
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: 10 years	Yes	
CE, VDE0126, Greece, EN50549-1, C10/C11, VFR 2019, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2		