

# 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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R R O W O

Preliminary

Datasheet	MID 25KTL3-XH	MID 30KTL3-XH
<b>Input data (DC)</b>		
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	3
No. of PV strings per MPP tracker	2/2/2	2/2/2
Max. input current per MPP tracker	32/32/32A	32/32/32A
Max. short-circuit current per MPP tracker	40/40/40A	40/40/40A
<b>Input data (DC battery)</b>		
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	
<b>Output data (AC)</b>		
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	
<b>Efficiency</b>		
MAX. efficiency	98,7%	98,8%
European efficiency	98,5%	
<b>Protection devices</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)	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: 5 years /10 years	Yes/Optional	
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		