

Datasheet	MID 15KTL3-X	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
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Input data (DC)

Max. recommended PV power (for module STC)	22500W	25500W	30000W	33000W	37500W
Max. DC voltage			1100V		
Start Voltage			250V		
Nominal voltage			580V		
MPPT voltage range			160V-1000V		
No. of MPP trackers			2		
No. of PV strings per MPP tracker	2	2	2	2	2/3
Max. input current per MPPT tracker	25A	25A	25A	25A	25A/37.5A
Max. short circuit current per MPPT	32A	32A	32A	32A	32A/48A

Output data (AC)

Rated AC output power	15000W	17000W	20000W	22000W	25000W
Max. AC apparent power	16600VA	18800VA	22000VA	24400VA	27700VA
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	24.2A	27.4A	31.9A	35.5A	40.2A
Adjustable power factor	0.8leading...0.8lagging				
THDI	<3%				
AC grid connection type	3W+N+PE				

Efficiency

Max. efficiency	98.75%
European efficiency	98.6%
MPPT efficiency	99.9%

Protection devices

DC reverse polarity protection	Yes
DC Switch	Yes
AC/DC surge protection	Typell/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 monitoring	Optional
AFCI protection	Optional

General data

Dimensions (W / H / D)	525/395/222mm
Weight	23kg
Operating temperature range	-25 °C ... +60 °C
Noise emission (typical)	≤40 dB(A)
Self-Consumption (night)	<1W
Topology	Transformerless
Cooling	Smart air cooling
Protection degree	IP65
Relative Humidity	0~100%
Altitude	4000m
DC connection	H4/MC4(Optional)
AC connection	Cable gland+OT terminal
Display	OLED+LED/WIFI+APP
Interfaces: RS485 / USB / WIFI/ GPRS / RF/ LAN	Yes/Yes /Optional/Optional/Optional/Optional
Warranty: 5 years / 10 years	Yes /Optional

CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger, G98/G99, G100, UNE217001, UNE206007, PO12.2, KSC8565

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.