

MID 17~22KTL3-X

- Max. Efficiency 98.75%
- Dual MPP trackers
- Supports export control
- Touch key and OLED display
- Type II SPD on AC and DC side



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Datasheet	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X
Input data (DC)			
Max. recommended PV power (for module STC)	25500W	30000W	33000W
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		
Max. input current per MPPT tracker	27A*		
Max. short circuit current per MPPT	33.8A		
Output data (AC)			
Rated AC output power	17000W	20000W	22000W
Max. AC apparent power	18800VA	22000VA	24400VA
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	27.4A	31.9A	35.5A
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	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 monitoring	Yes		
AFCI protection	Yes		
General data			
Dimensions (W / H / D)	525/395/222mm		
Weight	23kg		
Operating temperature range	-25 °C ... +60 °C		
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, G98/G99, G100, KSC8565			

* Only the latest version with max. input current 27A per MPP tracker, for details please contact Growatt.

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

* AFCI function need to be activated after installation.