

MID 15~20KTL3-XL

- The maximum efficiency is up to 98.5%
- Integrated with AFCI function
- Self-consumption monitoring
- Touch key and OLED display
- Type II SPD on DC and AC side



GROWATT

www.ginverter.com

P O W E R
- I N G O
T O M O -
R R O W O

Datasheet	MID 15KTL3-XL	MID 17KTL3-XL	MID 20KTL3-XL
Input data (DC)			
Max. recommended PV power (for module STC)	22500W	25500W	30000W
Max. DC voltage	1100V		
Start voltage	250V		
Nominal voltage	360V		
MPP voltage range	200-850V		
No. of MPP trackers	4		
No. of PV strings per MPP tracker	2/2/2/2		
Max. input current per MPP tracker	26A/26A/26A/26A		
Max. short-circuit current per MPP tracker	32A/32A/32A/32A		
Output data (AC)			
AC nominal power	15000W	17000W	20000W
Max. AC apparent power	16600VA@220VAC	18700W@220VAC	22200VA@220VAC
Nominal AC voltage(range*)	127V/220V[101.6-139.7V]		
AC grid frequency(range*)	50/60 Hz[46-54Hz/56-64 Hz]		
Max. output current	43.6A	49.1A	58.3A
Adjustable power factor	0.8leading...0.8lagging		
THDI	< 3%		
AC grid connection type	3W+PE		
Efficiency			
Max. efficiency	98.50%		
European efficiency	98.00%		
MPPT efficiency	99.90%		
Protection devices			
DC reverse polarity protection	Yes		
DC switch	Yes		
DC/AC surge protection	Type II / Type II		
Insulation resistance monitoring	Yes		
AC short-circuit protection	Yes		
Grid monitoring	Yes		
String monitoring	Yes		
Anti-islanding protection	Yes		
Residual-current monitoring unit	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	< 1W		
Topology	Transformerless		
Cooling	Fan 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: RS485 / USB/Wi-Fi/ GPRS/ RF/LAN	Yes/Yes/Optional/Optional/Optional /Optional		
Warranty: 10 years	Yes		
CE, EN50549, IEC 62116, IEC 61727,IEC62109, AS4777,UL1741,IEEE1547			

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