MID 15~25KTL3-X

- Max.efficiency 98.75%
- Dual MPP trackers
- Touch key and OLED display
- Type II SPD on AC and DC side
- AFCI function optional



POWER-ING TOMO-RROW

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Datasheet	MID 15KTL3-X	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
Input data (DC)					
Max. recommended PV power (for module STC)	22500W	25500W	30000W	33000W	37500W
Max. DC voltage	1100V				
Start Voltage	250V				
Normal Voltage	580V				
MPPT voltage range	200V-1000V				
No. of MPP trackers/strings per MPP tracker	2/2	2/2	2/2	2/2	2/3
Max.input current per MPP tracker	27A	27A	27A	27A	27A/40.5A
Max. short-circuit current per MPP tracker	33.8A	33.8A	33.8A	33.8A	33.8A/50.7A
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*)	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	0.8 leading - 0.8 lagging				
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	Optional				
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, EN50549-1, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, G98/G99, G100, KSC8565				

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

SHENZHEN GROWATT NEW ENERGY CO.,LTD. A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com