

# MID 6~12KTL3-XL

- Max. efficiency 98.5%
- 40% compact and lighter
- Dual MPP trackers
- Supports export control
- Touch key and OLED display
- Type II SPD on AC and DC side



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

**GROWATT**

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Datasheet	MID 6KTL3-XL	MID 8KTL3-XL	MID 10KTL3-XL	MID 11KTL3-XL	MID 12KTL3-XL
<b>Input Data</b>					
Max. recommended PV power (for module STC)	7800W	10400W	13000W	13000W	15600W
Max. DC voltage			800V		
Initial voltage			250V		
Nominal voltage			360V		
MPPT voltage range			160-800V		
Full load voltage			280-650V		
No. of independent MPPT			2		
No. of PV strings per MPPT			2		
Max. input current per MPPT			27A		
Max. short-circuit current per MPPT			32A		
<b>Output (AC)</b>					
AC nominal power	6000W	8000W	10000W	11000W	12000W
Max. AC apparent power	6600VA	8800VA	11100VA	12100VA	13300VA
Nominal AC voltage/range			133V/230V		
AC grid frequency; range			50/60 Hz; 47.5~52 Hz/55-65 Hz		
Max. output current	16.5A	22.1A	27.8A	30.3A	33.3A
Powerfactor @Nominal power			>0.99		
Power factor			0.8 leading - 0.8 lagging		
THDi			<3%		
AC grid connection type			3W+PE		
<b>Efficiency</b>					
Max. efficiency	98.50%	98.50%	98.50%	98.50%	98.50%
Euro - eta	98.10%	98.10%	98.10%	98.10%	98.10%
<b>Protection Devices</b>					
DC reverse polarity protection			yes		
DC Switch			yes		
DC Surge protection			Typell		
Insulation resistance monitoring			yes		
AC surge protection			Typell		
Output short circuit protection			yes		
Ground fault monitoring			yes		
Grid monitoring			yes		
Anti-islanding protection			yes		
Residual-current monitoring unit			yes		
String fault monitoring			opt		
AFCI protection			opt		
<b>General Data</b>					
Dimensions (W / H / D) in mm			525/395/222		
Weight			23kg		
Operating temperature range			-25 °C ... +60 °C		
Self-Consumption (night)			<1W		
Topology			Transformerless		
Cooling			Natural convection		
Environmental Protection Rating			IP65		
Altitude			4000m		
Relative Humidity			0~100%		
DC connection			H4/MC4(opt)		
AC connection			Cable gland+OT terminal		
<b>Features</b>					
Display			OLED+LED WIFI+APP		
Interfaces: USB/RS485/WIFI/GPRS/4G			yes/yes/opt/opt/opt		
CE, EN50549, VDE-AR-N4105, CEI 0-21, CEI 0-16, IEC 62116, IEC 61727, G99, AS4777					