

# MOD 10~15KTL3-X

- Max. efficiency 98.6%
- OLED and Touch button
- Type II SPD on DC and AC side
- String Monitoring
- AFCI optional



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

**GROWATT**

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Datasheet	MOD 10KTL3-X	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
<b>Input data (DC)</b>					
Max. recommended PV power (for module SIC)	15000W	16500W	18000W	19500W	22500W
Max. DC voltage			1100V		
Start voltage			160V		
Nominal voltage			580V		
MPPV voltage range			140V-1000V		
No. of MPP trackers			2		
No. of PV strings per MPP tracker	1	1	1/2	1/2	1/2
Max. input current per MPP tracker	13A	13A	13/26A	13/26A	13/26A
Max. short-circuit current per MPP tracker	16A	16A	16/32A	16/32A	16/32A
<b>Output data (AC)</b>					
AC nominal power	10000W	11000W	12000W	13000W	15000W
Max. AC apparent power	11000VA*	12100VA	13200VA	14300VA	16500VA
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	16.7A	18.3A	20A	21.7A	25A
Adjustable power factor			0.8leading...0.8lagging		
THDi			<3%		
AC grid connection type			3W+N+PE		
<b>Efficiency</b>					
MAX. efficiency			98.6%		
European efficiency	98.1%	98.1%	98.2%	98.2%	98.2%
MPPV efficiency			99.9%		
<b>Protection devices</b>					
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 fault monitoring			Yes		
AFCI protection			Optional		
<b>General data</b>					
Dimensions (W / H / D)			425/387/178mm		
Weight	14kg	14kg	16kg	16kg	16kg
Operating temperature range			-25°C ... +60°C		
Nighttime power consumption			< 1W		
Topology			Transformerless		
Cooling			Natural convection		
Protection degree			IP66		
Relative humidity			0-100%		
Altitude			4000m		
DC connection			H4/MC4(Optional)		
AC connection			Connector		
Display			OLED+LED/WIFI+APP		
Interfaces: USB/RS485/WIFI/GPRS/LAN/RF			yes/yes/Optional/Optional/Optional/Optional		
Warranty: 5 / 10 years			Yes/Optional		
CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CED-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2					

\* For Belgium C10/C11, MOD 10KTL3-X max. output power is limit to 10000VA.

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