

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



Datasheet	MOD 10KTL3-X	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
Input data (DC)					
Max. recommended PV power (for module STC)	15000W	16500W	18000W	19500W	22500W
Max. DC voltage	1100V				
Start voltage	200V				
Nominal voltage	580V				
MPPT voltage range	140V-1000V				
No. of MPP trackers	2				
No. of PV strings per MPP tracker	1	1	2/1	2/1	2/1
Max. input current per MPP tracker	13A	13A	26/13	26/13	26/13
Max. short-circuit current per MPP tracker	16A	16A	32/16	32/16	32/16
Output data (AC)					
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				
Efficiency					
MAX. efficiency	98.6%				
European efficiency	98.1%	98.1%	98.2%	98.2%	98.2%
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 fault monitoring	Yes				
AFCI protection	Optional				
General data					
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, CEI0-21, 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.


CE Declaration of Conformity

In terms of the Guidelines of the European Community

- Electromagnetic Compliance Directive 2014/30/EU
- Low Voltage Directive 2014/35/EU
- RoHS Directive 2011/65/EU and its amendment EU 2015/863

The devices stated below have been developed, constructed and manufactured according to the above mentioned directives. The applied harmonized standards are shown in the following list.

	Growatt	Growatt	Growatt	Growatt	Growatt	Growatt	Growatt
Growatt Product	MIC 600TL-X	MIN 2500TL-X/XE/XH	MOD 3000TL3-X/XH	MID 15KTL3-X	MID 17KTL3-X1	MAX 50KTL3 LV	MAC 30KTL3-X LV
	MIC 750TL-X	MIN 3000TL-X/XE/XH	MOD 4000TL3-X/XH	MID 17KTL3-X	MID 20KTL3-X1	MAX 60KTL3 LV	MAC 40KTL3-X LV
	MIC 1000TL-X	MIN 3600TL-X/XE/XH	MOD 5000TL3-X/XH	MID 20KTL3-X	MID 22KTL3-X1	MAX 70KTL3 LV	MAC 50KTL3-X LV
	MIC 1500TL-X	MIN 4200TL-X/XE/XH	MOD 6000TL3-X/XH	MID 25KTL3-X	MID 25KTL3-X1	MAX 80KTL3 LV	MAC 60KTL3-X LV
	MIC 2000TL-X	MIN 4600TL-X/XE/XH	MOD 7000TL3-X/XH		MID 30KTL3-X	MAX 60KTL3 MV	MAC 50KTL3-X MV
	MIC 2500TL-X	MIN 5000TL-X/XE/XH	MOD 8000TL3-X/XH		MID 33KTL3-X	MAX 70KTL3 MV	MAC 60KTL3-X MV
	MIC 3000TL-X	MIN 6000TL-X/XE/XH	MOD 9000TL3-X/XH		MID 40KTL3-X	MAX 80KTL3 MV	MAC 70KTL3-X MV
	MIC 3300TL-X		MOD 10KTL3-X/XH			MAX 90KTL3 MV	
			MOD 11KTL3-X			MAX 100KTL3 MV	
			MOD 12KTL3-X				
			MOD 13KTL3-X				
			MOD 15KTL3-X				
EMC directive							
2014/30/EU							
EN 61000-6-1: 2007	√	√	√	√			
EN 61000-6-2: 2005	√	√	√	√	√	√	√
EN 61000-6-3: 2007+A1: 2011	√	√	√	√	√		√
EN 61000-6-4:	√	√	√	√		√	

2007+A1:2011							
EN 61000-3-11: 2000					√		√
EN 61000-3-12: 2011					√		√
LVD directive 2014/35/EU							
EN 62109-1: 2010	√	√	√	√	√	√	√
EN 62109-2: 2011	√	√	√	√	√	√	√
							

Information:

This declaration of conformity is not valid any longer, unless there is an explicit written confirmation by Growatt

Shenzhen,1512.2021

Shenzhen Growatt New Energy Co., Ltd

- If the product is modified, supplemented or changed in any other way,
- Components, which are not part of the Growatt accessories kit, are integrated in the product, as well as in case the product is used or installed improperly.