

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
T O M O -
R R O W

Growatt
powering tomorrow

www.ginverter.com

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	
EMC directive 2014/30/EU			MOD 11KTL3-X			MAX 100KTL3 MV	
			MOD 12KTL3-X				
			MOD 13KTL3-X				
			MOD 15KTL3-X				
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, 15.12.2021

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.

device, for compensation for costs arising from disassembly and installation, or loss of profits are not covered by this warranty, unless Growatt is subject to statutory liability. In such cases, please contact the company that sold you the device. Possible claims in accordance with the product liability law remain unaffected.

Warranty claim procedure:

Please report the defective device to your supplier with this warranty card completed, in no later than 14 days after signs arise of a problem that might lead to a claim. Supplier or end user is required to send the warranty claim form to Growatt or Authorized service partner with all the necessary information.

Customers must present this warranty card, inverter purchasing invoice, installation invoice or commissioning report, extension warranty card if applicable, and other related materials as well if required. It is the responsibility of the warranty holder to substantiate the warranty claim and show that the conditions are met.

Please note Growatt reserve the ultimate explanation right on this warranty card.

Please fill in the required information below when your device is defective, scan and send it to your supplier or email your supplier with all the information

Please note Growatt reserve the ultimate explanation right on this warranty card.

.....

End User Information

Customer name:

Phone number:

Email:

Detailed address:

Product Information

Inverter Model:

Serial No. (S/N):

Purchase date:

Dealer/Installer:

Commissioning data:

GT - WA - ST - 202006 - 01

Warranty Card



Growatt New Energy Technology CO.,LTD

www.ginverter.com

T: +86 755 2747 1942

F: +86 755 2749 1460

service@ginverter.com

Growatt Factory Warranty

Apply to the following models ONLY: MIN2500-6000TL-XE/XH series; MIC600-3300TL-X series; MOD 3-15KTL3-X series; MID 15-20KTL3-X series; SPH3000-6000 series; SPH4000-10000TL3 BH series; SPA1000-3000TL BL series; SPA4000-10000TL3 BH series.

For the inverter with this warranty card you purchased, you receive a non-transferable Growatt factory warranty valid for 10 years from the date of installation, and no more than ten and a half years from the delivery date from Growatt New Energy Technology Co., Ltd. These warranty terms & conditions are only apply for devices originally purchased from Growatt for selling and installation in the defined destination set forth in the purchase orders in the oversea market (out of China), unless there are specially stipulated.

Paid warrant extension to 15, 20 years is also can be made, only within 2 years from the date of delivery from Growatt.

This warranty is only valid for the inverters selling in European region, and only valid in its original selling country/region (Saying as EU models). This warranty is not valid outside Europe and not valid in below European countries: United Kingdom, Ireland, Russia, Ukraine, Belarus. If EU model inverters used outside the applicable countries, it will cause damage to the inverter and cannot connect to the grid.

The Growatt factory warranty would become void if inverter with this warranty card had been resold outside Europe or to below European countries: United Kingdom, Ireland, Russia, Ukraine, Belarus.

This warranty includes all defects of design, components and manufacturing. Excluded from warranty are damages due to:

Breaking the product seal (opening the casing) without proper approval

Transport damage

Incorrect installation or commissioning

Failure to observe the user manual, the installation guide, and the maintenance regulations

Unauthorized Modifications, changes, or attempted repairs

Incorrect use or inappropriate operation

Insufficient ventilation of the device

Failure to observe the applicable safety regulations

Force majeure (e.g., lightning, over voltage, storm, fire)

Warranty condition

If a device becomes defective during the agreed Growatt factory warranty period and provided that it will not be impossible or unreasonable, the device will be, as selected by Growatt:

repaired by Growatt, or

repaired on-site, or

exchanged for a replacement device of equivalent value according to model and age.

In the latter case, the remainder of the warranty entitlement will be transferred to the replacement device. In this case, you do not receive a new certificate since your entitlement is documented at Growatt.

In the latter 5 years, Growatt have the exclusive right to determine how to carry out the remained warranty. In case Growatt provide replacement for customers, Growatt are not responsible for any other sorts of costs during the service procedure in that period, including (but not limited to) logistics fare, labor cost, any kind of compensation. Also the replacement may have a little flaw on its surface (cosmetic flaw), and the warranty excludes any general defects, if inverter is still generating power to grid.

Excessiveness in the meaning above exists in particular if the cost of the measures for Growatt would be unreasonable.

in view of the value that the device would have without the defect,

taking into account the significance of the defect, and

after consideration of alternative workaround possibilities that Growatt customers could revert to without significant inconvenience.

This warranty does not cover superficial or cosmetic defects, dents, marks or scratches, which do not affect the proper function of the inverter, especially for warranty replacement devices.

Due to the technological progress, the replacement part or replacement device provided may not be compatible with the system monitoring or monitoring device, or other components installed on-site. Costs incurred as a result are not part of this warranty service and will not be covered by Growatt.

Claims that go beyond the rights cited in the warranty conditions, in particular claims for compensation for direct or indirect damages, losses, arising from the defective