

MOD 10~15K TL3-X



- Max. efficiency 98.6%
- OLED and touch button
- Type II SPD on DC and AC side
- String monitoring
- AFCI function ready



GROWATT · PRODUCT

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	160V									
Nominal voltage	580V									
MPPT 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	
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					Yes					
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: 10 years	Yes									
CE, VDE0126, Greece, EN50549, C10/C11, VFR 2019, 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.
* AFCI function need to be activated after installation.