

# MOD 10~15KTL3-X(AU)

- 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-AU	MOD 11KTL3-X-AU	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X
<b>Input data (DC)</b>					
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 + 1		
Max. input current per MPP tracker			13A/13A+13A		
Max. short-circuit current per MPP tracker			20A/20A+20A		
(Please note that for each PV string, solar panels cannot be connected in parallel on the roof)					
<b>Output data (AC)</b>					
AC nominal power	10000W	11000W	12000W	13000W	15000W
Max. AC apparent power	10000VA	11000VA	12000VA	13000VA	15000VA
Nominal AC voltage (range*)	220V/400V (340-440V)				
AC grid frequency (range*)	50/60 Hz (45-55Hz/55-65 Hz)				
Max. output current	15.2A	16.7A	18.2A	19.7A	22.7A
Adjustable power factor	0.8leading...0.8lagging				
THDi	<3%				
AC grid connection type	3W+N+PE				
<b>Efficiency</b>					
MAX. efficiency	98.6%	98.6%	98.6%	98.6%	98.6%
European efficiency	98.1%	98.1%	98.2%	98.2%	98.2%
MPPT 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 monitoring			Yes		
AFCI protection			Optional		
<b>General data</b>					
Dimensions (W / H / D)			425/387/178mm		
Weight	15kg	15kg	16.5kg	16.5kg	16.5kg
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: RS485 / USB /Wi-Fi/ GPRS / RF/LAN	Yes/Yes/Optional/Optional/Optional/Optional				
Manufacturing Country	Made in China				
CE, AS4777					

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