

MOD 7~15KTL3-X2 (Pro)

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



GROWATT

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

Datasheet	MOD 7KTL3-X2(Pro)	MOD 8KTL3-X2(Pro)	MOD 10KTL3-X2(Pro)	MOD 12KTL3-X2(Pro)	MOD 15KTL3-X2(Pro)
Input data (DC)					
Max. recommended PV power (for module STC)	10500W	12000W	15000W	18000W	22500W
Max. DC voltage			1100V		
Start voltage			160V		
Nominal voltage			600V		
MPPT voltage range			140V-1000V		
No. of MPP trackers			2		
No. of PV strings per MPP tracker			1		
Max. input current per MPP tracker			20A		
Max. short-circuit current per MPP tracker			25A		
Output data (AC)					
AC nominal power	7000W	8000W	10000W	12000W	15000W
Max. AC apparent power	7700VA	8800VA	11000VA	13200VA	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	11.7A	13.3A	16A	20A	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		
AFCL protection			Optional		
General data					
Dimensions (W / H / D)			425/387/178mm		
Weight	14.6kg	14.6kg	14.6kg	15.6kg	15.6kg
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, EN50549, IEC62116, IEC61727, CEIO-21, V4105, G98/G99, G100,					

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