GROWATT

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





POWER-ING TOMO-RROW

en.growatt.com

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				
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	14.6kg	14.6kg	14.6kg	15.6kg	15.6kg
Operating temperature range	-25℃ ... +60℃				
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: 8 / 10 years	Yes/Optional				
CE, IEC 62116, IEC 61727, CEI ,G98/G99, IEC 60068, IEC 61683, BIS,DRRG,IEC62910, IEC 63027					

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

SHENZHEN GROWATT NEW ENERGY CO.,LTD. A:4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@growatt.com
Manufacturing Address: Block A, Lot CN4-01, Non-tariff zone and Nam Dinh Vu Industrial park(Area 1) belongs Dinh Vu - Cat Hai economic zone, Dong Hai 2 Ward, Hai An District, Hai Phong City, Vietnam