GROWATT

MOD 10~15KTL3-X3

- Max. string current up to 20A
- OLED and Touch button
- Type II SPD on DC and AC side
- Low start-up voltage
- Intelligent operation/maintenance and one-click diagnostics



POWER-ING TOMO-RROW

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Datasheet	MOD 10KTL3-X3	MOD 11KTL3-X3	MOD 12KTL3-X3	MOD 13KTL3-X3	MOD 15KTL3-X3
Input data (DC)					
Max. recommended PV power (for module STC)	15000W	16500W	18000W	19500W	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	1/1				
Max. input current per MPP tracker	20A				
Max. short-circuit current per MPP tracker	25A				
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%				
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	No				
AFCI protection	Optional				
General data					
Dimensions (W / H / D)	425/387/173mm				
Weight	14.5kg				
Operating temperature range	-25℃ ... +60℃				
Noise	≤29dB(A)				
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	Waterproof PG connector + OT terminal				
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,IEC62116,IEC62109,IEC61683,IEC60068 BIS,BEE					

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