

GROWATT

MOD 10-15KTL3-HU

- Battery ready, future proof
- Triple MPP trackers for more flexibility
- Integrated backup function without backup box
- Support accurate AFCI protection
- Reliable Type II SPD for both DC and AC side



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

Datasheet	MOD 10KTL3-HU	MOD 11KTL3-HU	MOD 12KTL3-HU	MOD 13KTL3-HU	MOD 15KTL3-HU
Input data (DC)					
Max. recommended PV power (for module STC)	20000W	22000W	24000W	26000W	30000W
Max. DC voltage			1000V		
Start voltage			160V		
Nominal DC voltage			600V		
MPPT voltage range			140V~1000V		
No. of MPP tracker			3		
No. of PV string 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	10000W	11000W	12000W	13000W	15000W
Max. AC apparent power	11000VA/10000VA*	12100VA	13200VA	14300VA	16500VA
Nominal AC voltage			220/380V, 230/400V		
AC grid frequency (range)			50/60Hz (45-55Hz/55-65Hz)		
Max. output current	16.7A/15.2A*	18.3A	20A	21.7A	25A
Adjustable power factor			0.8leading...0.8lagging		
THDv			<3%		
AC grid connection type			3W+N+PE/3W+PE		
Battery data (DC)					
Compatible battery			APX 5.0-30.0P-S2		
Operating voltage range			600~980V		
Max. operating current			25A		
Max. discharge power	10kW	11kW	12kW	13kW	15kW
Max. charge power			15kW		
Backup output (AC)					
AC nominal power	10kW	11kW	12kW	13kW	15kW
Peak output apparent power	12kVA/10kVA* @10min	13.2kVA @10min	14.4kVA @10min	15.6kVA @10min	18kVA @10min
Peak output apparent power on single phase	3.33kVA	3.67kVA	4kVA	3.25kVA	5kVA
Nominal AC voltage			220/380V, 230/400V		
Max. output current	18.2A/15.2A*	20A	21.8A	23.6A	27.3A
AC grid frequency			50/60Hz		
THDv			<3%		
Efficiency					
Max. efficiency			98.60%		
European efficiency			98.10%		
Protection devices					
DC reverse polarity protection			Yes		
DC switch			Yes		
AC/DC surge protection			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)			468/408/202mm		
Weight			20kg		
Operating temperature range			-25°C ... +60°C		
Noise level			≤29dB (A)		
Max. operating altitude			4000m		
Nighttime power consumption			< 20W		
Topology			Transformerless		
Cooling			Natural		
Protection degree			IP66		
Relative humidity			0~100%		
DC connection			H4/MC4(Optional)		
AC connection			Waterproof PG connector+OT terminal		
Display			OLED+LED/WIFI+APP		
Interfaces: RS485/CAN/USB			Yes		
Monitor: WiLan-X2			Yes		
Warranty: 10 years			Yes		

CE, N4105, EN50549-1, C10/C11, CEI0-21, G98, G99, G100, AS4777

* When choosing the safety regulation of Belgium.

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