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





POWER-INGO TOMO-RROW

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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	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	18.3A	20A	21.7A	25A
Adjustable power factor	0.8leading…0.8lagging				
THDi	<3%				
AC grid connection type	3W+N+PE/3W+PE				
Battery data (DC)					
Compatible battery	APX 5.0-30.0P-S2(5kWh-30kWh), APX 5.0-30.0M-S3(5kWh-30kWh)				
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	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	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℃ ... +60℃				
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					

* All specifications are subject to change without notice.

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