GROWATT

MOD 3000-9000TL3-HU

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





POWER-ING TOMO-RROW

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Datasheet	MOD 3000TL3-HU	MOD 4000TL3-HU	MOD 5000TL3-HU	MOD 6000TL3-HU	MOD 7000TL3-HU	MOD 8000TL3-HU	MOD 9000TL3-HU
Input data (DC)							
Max. recommended PV power (for module STC)	6000W	8000W	10000W	12000W	14000W	16000W	18000W
Max. DC voltage	1000V						
Start voltage	160V						
Nominal DC voltage	600V						
MPPT voltage range	140V-1000V						
Full load voltage range	400V-850V						
No. of MPP tracker	2						
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	3000W	4000W	5000W	6000W	7000W	8000W	9000W
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA	7700VA	8800VA	9900VA
Nominal AC voltage	220V/380V, 230V/400V						
AC grid frequency (range)	50/60Hz (45-55Hz/55-65Hz)						
Max. output current	5.0A	6.7A	8.3A	10.0A	11.7A	13.3A	15.0A
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	600V-980V						
Max. operating current	25A						
Max. discharge power	3kW	4kW	5kW	6kW	7kW	8kW	9kW
Max. charge power	9kW	12kW	15kW	15kW	15kW	15kW	15kW
Backup output (AC)							
AC nominal power	3kW	4kW	5kW	6kW	7kW	8kW	9kW
Peak output apparent power	3.6kVA @10min	4.8kVA @10min	6kVA @10min	7.2kVA @10min	8.4kVA @10min	9.6kVA @10min	10.8kVA @10min
Peak output apparent power on single phase	1kVA	1.33kVA	1.67kVA	2kVA	2.3kVA	2.67kVA	3kVA
Nominal AC voltage	220/380V, 230/400V						
Max. output current	5.5A	7.3A	9.1A	10.9A	12.7A	14.5A	16.4A
AC grid frequency	50/60Hz						
THDv	<3%						
Efficiency							
Max. efficiency	98.30%				98.60%		
European efficiency	97.50%				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	19kg						
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	ShineWilan-X2 (for single device), ShineMaster4G-X, SEM-XA-R or GroHomeManager-X (for parallel devices)						
Warranty: 10 years	Yes						
CE, N4105, EN50549-1, C10/C11, CEI0-21, G98, G99, G100, AS4777							

*MOD-HU supports three-phase unbalanced output only when work with an APX HV Battery or APX HV Battery 2.0.

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