

MOD 5000-15000TL3-HU

- Battery ready, future proof
- 2/3 MPP trackers for stable operation
- Integrated backup function without backup box
- Reliable Type II SPD for both DC and AC side



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



Datasheet	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)	10000W	12000W	14000W	16000W	18000W
Max. DC voltage	1000V				
Start voltage	160V				
Nominal DC voltage	600V				
MPPT voltage range	140V~1000V				
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)					
Nominal AC power	5000W	6000W	7000W	8000W	9000W
Rated AC apparent power	5kVA	6kVA	7kVA	8kVA	9kVA
Nominal AC voltage	220V/380V, 230V/400V				
AC grid frequency (range)	50/60Hz (45-55Hz/55-65Hz)				
Rated output current	7.6A	9.1A	10.6A	12.1A	13.6A
Max.output current	8.33A	10A	11.67A	13.33A	15A
Max. input current	40A				
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 7.0-49.0M-S3(7-49kWh)				
Operating voltage range	600~980V				
Max. operating current	25A				
Max. discharge power	5kW	6kW	7kW	8kW	9kW
Max. charge power	15kW	15kW	15kW	15kW	15kW
Backup output (AC)					
AC nominal power	5kW	6kW	7kW	8kW	9kW
Rated AC apparent power	5kVA	6kVA	7kVA	8kVA	9kVA
Nominal AC voltage	220/380V, 230/400V				
Max. output current(On-grid)	40A				
Max. output current(Off-grid)	7.6A	9.1A	10.6A	12.1A	13.6A
Rated output current	7.25A	8.7A	10.14A	11.59A	13.04A
AC grid frequency	50/60Hz				
THDv	<3%				
Efficiency					
Max. efficiency	98.30%		98.60%		
European efficiency	97.80%		98.10%		
Protection					
Safety protection feature	DC reverse polarity protection, DCswitch, DC/AC surge protection: Type II, Insulation resistance monitoring, AC short-circuit protection, Ground fault monitoring, Grid monitoring, Anti-islanding protection: Frequency shift, esidual-current monitoring unit, String fault monitoring, AFCI protection, OVC protection-PV:II BAT:II AC:III, Protective class: Class I				
General data					
Dimensions (W / H / D)	468/408/202mm				
Weight	19kg				
Operating temperature range	-25℃ ... +60℃ (Derating above 45℃)				
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	Yes				
Warranty: 10 years	10 Years				
Country of manufacture	Made in China				
CE, N4105, EN50549-1, C10/C11, CEI0-21, G98, G99, G100, AS4777					

* All specifications are subject to change without notice.

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)					
Nominal AC power	10000W	11000W	12000W	13000W	15000W
Rated AC apparent power	10kVA	11kVA	12kVA	13kVA	15kVA
Nominal AC voltage	220/380V, 230/400V				
AC grid frequency (range)	50/60Hz (45-55Hz/55-65Hz)				
Rated output current	15.2A	16.7A	18.2A	19.7A	22.7A
Max.output current	16.67A	18.33A	20A	21.67A	25A
Max. input current	40A				
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 7.0~49.0M-S3(7~49kWh)				
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
Rated AC apparent power	10kVA	11kVA	12kVA	13kVA	15kVA
Nominal AC voltage	220/380V, 230/400V				
Max. output current(On-grid)	40A				
Max. output current(Off-grid)	15.2A	16.7A	18.2A	19.7A	22.7A
Rated output current	14.49A	15.94A	17.39A	18.84A	21.74A
AC grid frequency	50/60Hz				
THDv	<3%				
Efficiency					
Max. efficiency	98.60%				
European efficiency	98.10%				
Protection					
Safety protection feature	DC reverse polarity protection, DC switch, DC/AC surge protection: Type II, Insulation resistance monitoring, AC short-circuit protection, Ground fault monitoring, Grid monitoring, Anti-islanding protection: Frequency shift, esidual-current monitoring unit, String fault monitoring, AFCI protection, OVC protection-PV:II BAT:II AC:III, Protective class: Class I				
General data					
Dimensions (W / H / D)	468/408/202mm				
Weight	20kg				
Operating temperature range	-25°C ... +60°C (Derating above 45°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: ShineWlan-X2	Yes				
Warranty: 10 years	Yes				
Country of manufacture	Made in China				
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