

MOD 5000-9000TL3-HU

- Battery ready, future proof
- Dual 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 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)					
AC nominal power	5000W	6000W	7000W	8000W	9000W
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)				
Max. output current	7.6A	9.1A	10.6A	12.1A	13.6A
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)				
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
Apparent output power	5kVA	6kVA	7kVA	8kVA	9kVA
Nominal AC voltage	220/380V, 230/400V				
Max. output current	7.6A	9.1A	10.6A	12.1A	13.6A
AC grid frequency	50/60Hz				
THDv	<3%				
Efficiency					
Max. efficiency	98.30%		98.60%		
European efficiency	97.80%		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				
AFCl protection	Optional				
General data					
Dimensions (W / H / D)	468/408/202mm				
Weight	19kg				
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: 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.