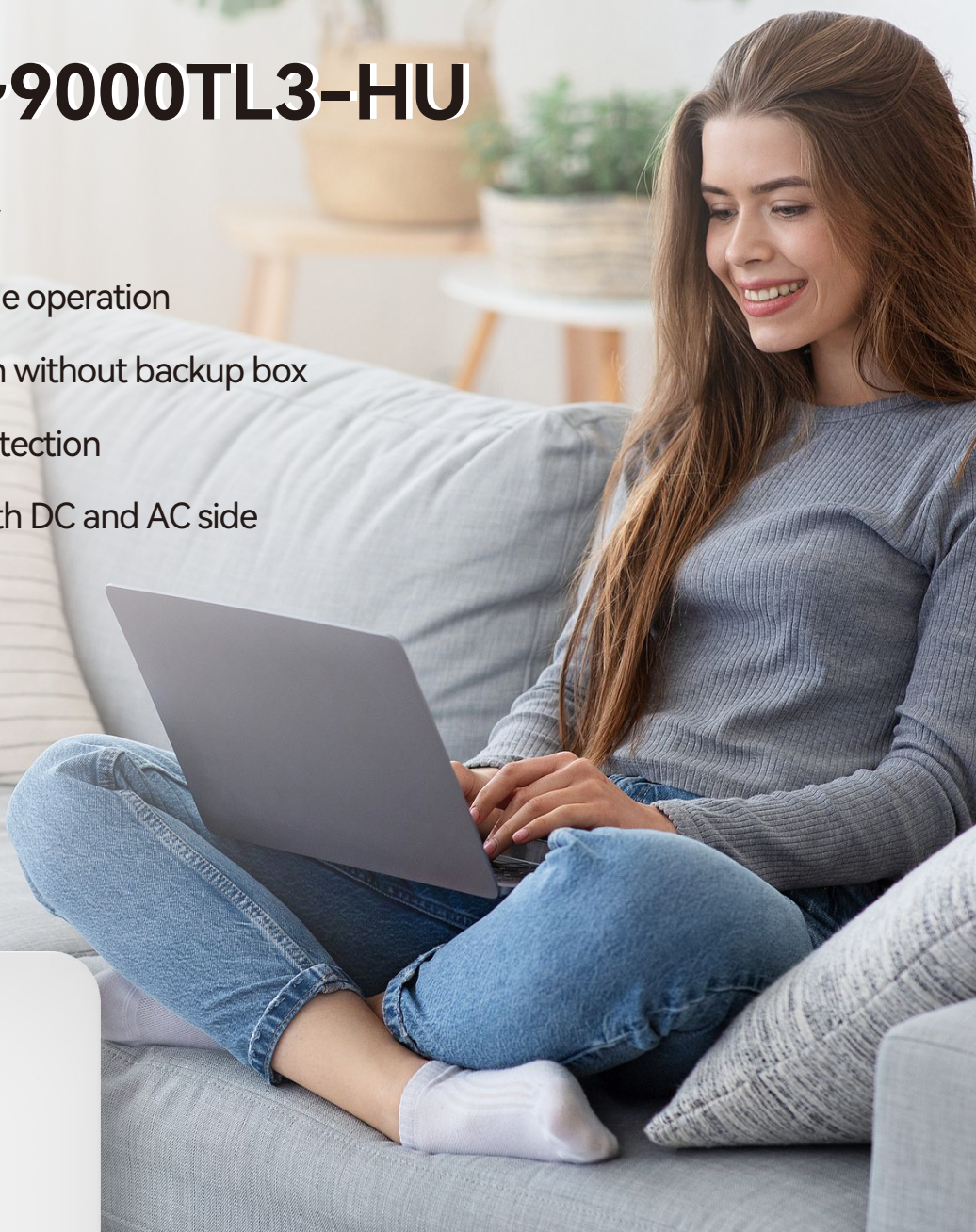


# MOD 3000~9000TL3-HU

- 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



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



Datasheet	MOD 3000TL3-HU	MOD 4000TL3-HU	MOD 5000TL3-HU	MOD 6000TL3-HU	MOD 7000TL3-HU	MOD 8000TL3-HU	MOD 9000TL3-HU
<b>Input data (DC)</b>							
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			
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			
<b>Output data (AC)</b>							
AC nominal power	3000W	4000W	5000W	6000W	7000W	8000W	9000W
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA	7700VA	8800VA	9900VA
Nominal AC voltage	220/380V, 230/400V						
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						
<b>Battery data (DC)</b>							
Compatible battery	APX 5.0-30.0P-S2						
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
<b>Backup output (AC)</b>							
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%						
<b>Efficiency</b>							
Max. efficiency	98.30%			98.60%			
European efficiency	97.80%			98.10%			
<b>Protection devices</b>							
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						
<b>General data</b>							
Dimensions (W / H / D)	468/408/202mm						
Weight	19kg						
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: WiFi-X/WiLan-X2/Grohome/Shinemaster-X	Optional						
Warranty: 10 years	10 Years						

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