

MOD 3000~6000TL3-X2(Pro)

- Max. efficiency 98.3%
- OLED and touch button
- Type II SPD on DC and AC side
- String monitoring
- AFCI optional



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



Datasheet	MOD 3000TL3-X2 (Pro)	MOD 4000TL3-X2 (Pro)	MOD 5000TL3-X2 (Pro)	MOD 6000TL3-X2 (Pro)
Input data (DC)				
Max. recommended PV power (for module STC)	4500W	6000W	7500W	9000W
Max. DC voltage	1100V			
Start voltage	160V			
Nominal voltage	600V			
MPPT voltage range	140V–1000V			
No. of MPP trackers	2			
No. of PV strings 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
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA
Nominal AC voltage (range*)	220V/380V, 230V/400V (340–440V)			
AC grid frequency (range*)	50/60 Hz (45–55Hz/55–65 Hz)			
Max. output current	5.0A	6.7A	8.3A	10.0A
Adjustable power factor	0.8leading...0.8lagging			
THDi	<3%			
AC grid connection type	3W+N+PE			
Efficiency				
MAX. efficiency	98.3%	98.3%	98.3%	98.3%
European efficiency	97.5%	97.5%	97.5%	97.5%
MPPT efficiency	99.9%			
Protection devices				
DC reverse polarity protection	Yes			
AC/DC surge protection	Type II / 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)	425/387/178mm			
Weight	14.6kg			
Operating temperature range	–25°C ... +60°C			
Nighttime power consumption	< 1W			
Topology	Transformerless			
Cooling	Natural convection			
Protection degree	IP66			
Relative humidity	0~100%			
Altitude	4000m			
DC connection	H4/MC4(Optional)			
AC connection	Connector			
Display	OLED+LED/WIFI+APP			
Interfaces: USB/RS485/WiFi/GPRS/LAN/RF	Yes/Yes/Optional/Optional/Optional/Optional			
Warranty: 5 / 10 years	Yes/Optional			
CE, G98/99, IEC 62116, IEC 61727, IEC 60068, IEC 61683				

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.