

MOD 6000TL3-X

- Max. efficiency 98.6%
- OLED and touch button
- Type II SPD on DC and AC side
- String monitoring
- AFCI function ready



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



Input data (DC)

Max. recommended PV power (for module STC)	9000W
Max. DC voltage	1100V
Start voltage	200V
Nominal voltage	580V
MPPT voltage range	140V-1000V
No. of MPP trackers	2
No. of PV strings per MPP tracker	1
Max. input current per MPP tracker	13A
Max. short-circuit current per MPP tracker	16A

Output data (AC)

AC nominal power	6000W
Max. AC apparent power	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	10.0A
Adjustable power factor	0.8leading...0.8lagging
THDi	<3%
AC grid connection type	3W+N+PE

Efficiency

MAX. efficiency	98.3%
European efficiency	97.5%
MPPT efficiency	99.9%

Protection devices

DC reverse polarity protection	Yes
DC Switch	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
AFCI protection	Yes

General data

Dimensions (W / H / D)	425/387/138mm
Weight	13.5kg
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:10 years	Yes

CE, VDE0126, Greece, EN50549, C10/C11, UTE C 15-712, IEC62116, IEC61727, IEC 60068, IEC 61683, CEI0-21, N4105, TOR Erzeuger G98/G99, G100, AS4777, UNE217001, UNE206007, PO12.2

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