GROWATT

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





POWER-ING TOMO-RROW

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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			
AFCI protection	Optional			
General data				
Dimensions (W / H / D)	425/387/178mm			
Weight	14.6kg			
Operating temperature range	–25℃ ... +60℃			
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, IEC 62116, IEC 61727, CEI ,G98/G99, IEC 60068, IEC 61683, BIS,DRRG,IEC62910, IEC 63027				

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

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