GROWATT

MOD 3000~9000TL3-X3

- Max. string current up to 20A
- OLED and Touch button
- Type II SPD on DC and AC side
- Low start-up voltage
- Intelligent operation/maintenance and one-click diagnostics



POWER-ING TOMO-RROW

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Datasheet	MOD 3000TL3-X3	MOD 4000TL3-X3	MOD 5000TL3-X3	MOD 6000TL3-X3	MOD 7000TL3-X3	MOD 8000TL3-X3	MOD 9000TL3-X3
Input data (DC)							
Max. recommended PV power (for module STC)	4500W	6000W	7500W	9000W	10500W	12000W	13500W
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	1/1						
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	7000W	8000W	9000W
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA	7700VA	8800VA	9900VA
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	11.7A	13.3A	15A
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%	98.6%	98.6%	98.6%
European efficiency	97.5%	97.5%	97.5%	97.5%	98.1%	98.1%	98.1%
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	No						
AFCI protection	Optional						
General data							
Dimensions (W / H / D)	425/387/173mm						
Weight	14.5kg						
Operating temperature range	-25°C ... +60°C						
Noise	≤29dB(A)						
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	Waterproof PG connector + OT terminal						
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,IEC62116,IEC62109,IEC61683,IEC60068 BIS,BEE							

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