

MIN 5000TL-X

- Maximum efficiency 98.4%
- Dual MPP trackers
- Type II SPD on DC side
- Supports export control
- Touch key and OLED display
- Data storage up to 25 years



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Datasheet	MIN 5000TL-X
Input data (DC)	
	7000W
Max, DC voltage	550V
Start voltage	100V
Nominal voltage	360V
MPP voltage range	80V-550V
No. of MPP trackers	2
No. of PV strings per MPP tracker	1
Max. input current per MPP tracker	13.5 A
Max. short-circuit current per MPP tracker	16.9A
Output data (AC)	
AC nominal power	5000W
Max. AC apparent power	5000VA
Nominal AC voltage (range)	230V (180 - 280V)
AC grid connection type	50/60 Hz (45-55Hz/55-65 Hz)
Max. output current	22.7A
Adjustable power factor	0.8leading...0.8lagging
THDI	<3%
AC grid connection type	Single phase
Efficiency	
Max. efficiency	98.4%
European efficiency	97.5%
MPPT efficiency	99.9%
Protection devices	
DC reverse polarity protection	Yes
DC switch	Yes
AC/DC surge protection	Type III / Type III
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
AFCI protection	Optional
General Data	
Dimensions (W / H / D)	375/550/160mm
Weight	10.8kg
Operating temperature range	-25°C ... +60°C
Nighttime power consumption	<1W
Topology	Transformerless
Cooling	Natural convection
Protection degree	IP65
Relative humidity	0-100%
Altitude	4000m
DC connection	H4/MC4(Optional)
AC connection	Connector
Display	OLED+LED/WIFI+APP
Interfaces: RS485 / USB/Wi-Fi	Yes/Yes/Optional/Optional/Optional
Warranty: 5 years / 10 years	Yes/Optional
CE, IEC62109, VDE0126-1-1, AS4777, AS/NZS 3100, VDE-AR-N4105, CQC, IEC61683, IEC60068, IEC61727, IEC62116, INMET	

* Only the latest version with max. input current 13.5A per MPP tracker, for details please contact Growatt.

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