

# MIN 4200~5000 TL-X2 (Pro E)

- Maximum efficiency 98.4%
- Dual MPP trackers
- Type II SPD on DC side
- Touch key and OLED display
- String current up to 18A



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Datasheet	MIN 4200TL-X2 (Pro E)	MIN 5000TL-X2 (Pro E)
<b>Input data (DC)</b>		
Max. recommended PV power (for module STC)	6300W	7500W
Max. DC voltage	550V	550V
Start voltage		50V
Nominal voltage		360V
MPP voltage range	40V-550V	40V-550V
No. of MPP trackers		1
No. of PV strings per MPP trackers		1
Max. input current per MPP tracker		18A
Max. short-circuit current per MPP tracker		24A
<b>Output data (AC)</b>		
AC nominal power	4200W	5000W
Max. AC apparent power	4200VA	5000VA
Nominal AC voltage (range*)		230V (160-300V)
AC grid frequency (range*)		50/60Hz (45-55Hz/54-65Hz)
Max. output current	19A	22.7A
Adjustable power factor		0.8leading...0.8lagging
THDi		<3%
AC grid connection type		Single phase
<b>Efficiency</b>		
Max. efficiency	98.4%	98.4%
European efficiency	97.2%	97.5%
MPPT efficiency		99.9%
<b>Protection devices</b>		
DC reverse polarity protection		Yes
DC switch*		Optional
DC surge protection		Type II
Insulation resistance monitoring		Yes
AC surge protection		Type III
AC short-circuit protection		Yes
Grid monitoring		Yes
Anti-islanding protection		Yes
Residual-current monitoring unit		Yes
AFCL protection		Optional
<b>General data</b>		
Dimensions (W / H / D)		375/350/158mm
Weight		10.8kg
Operating temperature range		-30°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
Interfaces: RS485/USB/Wi-Fi/GPRS/Rf/LAN		Yes/Yes/Optional/Optional/Optional/Optional
Warranty: 8 years / 10 years		Yes/Optional

CE, UKCA, CEI 0-21, VDE-AR-N 4105, VDE 0126-1-1, VFR 2019, EN 50549-1, IEC 62116, IEC 61727, G99, C10/C11, UNE 217001, UNE 206007, PO12.2, IEEE 1547, UL 1741

\* The AC Voltage Range may vary depending on specific country grid standard.

\* All specifications are subject to change without notice.

**SHENZHEN GROWATT NEW ENERGY CO.,LTD.** A:4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China  
T: +86 755 2747 1900 F: +86 755 2749 1460 E: info@growatt.com

Manufacturing Address: Block A, Lot CN4-01, Non-tariff zone and Nam Dinh Vu Industrial park(Area 1) belongs Dinh Vu - Cat Hai economic zone, Dong Hai 2 Ward, Hai An District, Hai Phong City, Vietnam