

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)
Input data (DC)		
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	
Output data (AC)		
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	
Efficiency		
Max. efficiency	98.4%	98.4%
European efficiency	97.2%	97.5%
MPPT efficiency	99.9%	
Protection devices		
DC reverse polarity protection	Yes	
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	
AFCI protection	Optional	
General data		
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.