

MIN 2500~6000 TL-XE

- Max. rendement 98.4%
- Dubbele MPP trackers
- Type II SPD aan DC-zijde
- Ondersteunt exportcontrole
- Touch-toets en OLED-display



P O W E R
- I N G O
T O M O -
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Technische gegevens	MIN 2500TL-XE	MIN 3000TL-XE	MIN 3600TL-XE	MIN 4200TL-XE	MIN 4600TL-XE	MIN 5000TL-XE	MIN 6000TL-XE
Input (DC)							
Max. DC vermogen	3500W	4200W	5040W	5880W	6440W	7000W	8100W
Max. DC spanning	500V	500V	550V	550V	550V	550V	550V
Start voltage	100V	100V	100V	100V	100V	100V	100V
MPPT Spanningsbereik / nominale spanning	80V-500V /360V	80V-500V /360V	80V-550V /360V	80V-550V /360V	80V-550V /360V	80V-550V /360V	80V-550V /360V
Max. ingangsstroom	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A	12.5A/12.5A
Max. ingangsstroom per MPP tracker	16A/16A	16A/16A	16A/16A	16A/16A	16A/16A	16A/16A	16A/16A
Aantal onafhankelijke MPP trackers / aansluiting per MPP tracker	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Output (AC)							
Nominaal uitgangsvermogen	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max.schijnbaar vermogen	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Max. uitgangsstroom	11.3A	13.6A	16A	19A	20.9A	22.7A	27.2A
Nominaal voltage; voltage bereik	230V(160V-300V)	230V(160V-300V)	230V(160V-300V)	230V(160V-300V)	230V(160V-300V)	230V(160V-300V)	230V(160V-300V)
Netfrequentie bereik	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz	50Hz/60Hz ± 5Hz
Power factor	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief	0,8 inductief tot 0,8 capacitief
THDI	<3%	<3%	<3%	<3%	<3%	<3%	<3%
AC verbinding	Eenfasig	Eenfasig	Eenfasig	Eenfasig	Eenfasig	Eenfasig	Eenfasig
Rendement							
Max. rendement	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%	98.4%
Europees gewogen rendement	97.1%	97.1%	97.2%	97.5%	97.5%	97.5%	97.5%
MPPT rendement	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
Bescherming en bewaking							
DC omgekeerde polariteitsbescherming	ja	ja	ja	ja	ja	ja	ja
DC schakelaar voor alle MPPT	ja	ja	ja	ja	ja	ja	ja
DC SPD beveiliging	Typell	Typell	Typell	Typell	Typell	Typell	Typell
Uitgangsstroom overbelastingsbescherming	ja	ja	ja	ja	ja	ja	ja
Uitvoerspanning overbelastingsbeschermer - varistor	ja	ja	ja	ja	ja	ja	ja
Aardingsfout bewaking	ja	ja	ja	ja	ja	ja	ja
Netbewaking	ja	ja	ja	ja	ja	ja	ja
Geïntegreerde lekstroom bewaking	ja	ja	ja	ja	ja	ja	ja
Algemene gegevens							
Afmetingen (B/H/D) in mm	375/350/160	375/350/160	375/350/160	375/350/160	375/350/160	375/350/160	375/350/160
Gewicht	10.8KG	10.8KG	10.8KG	10.8KG	10.8KG	10.8KG	10.8KG
Omgevingstemperatuur	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Geluidsemisatie (normaal)	≤35 dB(A)	≤35 dB(A)	≤35 dB(A)	≤35 dB(A)	≤35 dB(A)	≤35 dB(A)	≤35 dB(A)
Hoogte	4000m	4000m	4000m	4000m	4000m	4000m	4000m
Eigen verbruik ('s nachts)	< 1W	< 1W	< 1W	< 1W	< 1W	< 1W	< 1W
Topologie	Transformatorloos	Transformatorloos	Transformatorloos	Transformatorloos	Transformatorloos	Transformatorloos	Transformatorloos
Koeling	Natuurlijk	Natuurlijk	Natuurlijk	Natuurlijk	Natuurlijk	Natuurlijk	Natuurlijk
IP-code	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Relatieve luchtvochtigheid	100%	100%	100%	100%	100%	100%	100%
DC aansluiting	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC aansluiting	Connector	Connector	Connector	Connector	Connector	Connector	Connector
Display	OLED+LED	OLED+LED	OLED+LED	OLED+LED	OLED+LED	OLED+LED	OLED+LED
Interfaces: RS232 / RS485 / RF / Wi-Fi / LAN / GPRS	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt	ja / ja / opt / opt / opt / opt
Garantie: 5 jaar / 10 jaar	ja / opt	ja / opt	ja / opt	ja / opt	ja / opt	ja / opt	ja / opt

- in view of the value that the device would have without the defect,
- taking into account the significance of the defect, and
- after consideration of alternative workaround possibilities that Growatt customers could revert to without significant inconvenience.

Warranty claim procedure:

Please report the defective device to your supplier with this warranty card completed.

Supplier is required to send the warranty claim form to Growatt or Authorized service partner with all the necessary information

Customers must present this warranty card, inverter purchasing & Installation invoice, and other related materials as well if required..

Please note Growatt reserve the ultimate explanation right on this warranty card.

Please fill in the required information below when your device is defective, scan and send it to your supplier or email your supplier with all the information



End User Information

Customer name:
Phone number:
Email:
Detailed address:

Product Information

Inverter Model:
Serial No. (S/N):
Purchase date:
Dealer/Installer:
Commissioning data:



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Warranty Card

Growatt Factory Warranty

For the inverter with this warranty card you purchased, you receive a Growatt factory warranty valid for 10 years from the date of installation and no more than ten and a half years from the delivery date from Growatt New Energy Technology Co., Ltd.

This warranty includes all defects of design, components and manufacturing.

Excluded from warranty are damages due to:

- Breaking the product seal (opening the casing) without proper approval
- Transport damage
- Incorrect installation or commissioning
- Failure to observe the user manual, the installation guide, and the maintenance regulations
- Unauthorized Modifications, changes, or attempted repairs
- Incorrect use or inappropriate operation
- Insufficient ventilation of the device
- Failure to observe the applicable safety regulations
- Force majeure (e.g., lightning, over voltage, storm, fire)

Warranty condition

If a device becomes defective during the agreed Growatt factory warranty period and provided that it will not be impossible or unreasonable, the device will be, as selected by Growatt:

- repaired by Growatt, or
- repaired on-site, or
- exchanged for a replacement device of equivalent value according to model and age.

In the latter case, the remainder of the warranty entitlement will be transferred to the replacement device. In this case, you do not receive a new certificate since your entitlement is documented at Growatt.

In the latter 5 years, Growatt have the exclusive right to determine how to carry out the remained warranty. In case Growatt provide replacement for customers, Growatt are not responsible for any other sorts of costs during the service procedure in that period, including (but not limited to) logistics fare, labor cost, any kind of compensation. Also the replacement may have a little flaw on its surface, and the warranty excludes any general defects, if inverter is still generating power to grid.

Excessiveness in the meaning above exists in particular if the cost of the measures for Growatt would be unreasonable.