

# MIN 2500~5000TL-XA

- Max. Charge power 5kW
- Supports Retrofit & new system
- Compatible with ARK XH Battery System
- 24h self-consumption monitoring



P O W E R  
- I N G O  
T O M O -  
R R O W O

**GROWATT**

[www.ginverter.com](http://www.ginverter.com)

Preliminary

Datasheet	MIN 2500TL-XA	MIN 3000TL-XA	MIN 3600TL-XA	MIN 4200TL-XA	MIN 4600TL-XA	MIN 5000TL-XA	MIN 6000TL-XA
<b>Input data (DC battery)</b>							
Compatible battery	ARK XH Battery System (5.12kWh~17.9kWh) (Cobalt Free Lithium Iron Phosphate (LFP))						
Operating voltage range	360-550V						
Max.operating current	17A						
Max.charge power	5000W						
Max.discharge power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
<b>Output data (AC)</b>							
AC nominal power	2500W	3000W	3600W	4200W	4600W	5000W	6000W
Max. AC apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA	6000VA
Nominal AC voltage(range*)	230V (180-280V)						
AC grid frequency(range*)	50/60 Hz (45-55Hz/55-65 Hz)						
Max. output current	11.3A	13.6A	16A	19A	20.9A	22.7A	27.2A
Adjustable power factor	0.8leading...0.8lagging						
THDi	<3%						
AC grid connection type	Single phase						
<b>Efficiency</b>							
Max. efficiency	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%	98.4%
European efficiency	97.1%	97.1%	97.2%	97.2%	97.5%	97.5%	97.5%
<b>Protection devices</b>							
AC surge protection	Type III						
AC short-circuit protection	Yes						
Ground fault monitoring	Yes						
Grid monitoring	Yes						
Anti-islanding protection	Yes						
Residual-current monitoring unit	Yes						
<b>General data</b>							
Dimensions (W / H / D)	375/350/160mm						
Weight	9.1kg						
Operating temperature range	-25°C ... +60°C						
Altitude	4000m						
Self-Consumption night	<3W						
Topology	Transformerless						
Cooling	Natural convection						
Protection degree	IP65						
Relative humidity	0%~100%						
DC connection	VP-D4						
AC connection	Connector						
Display	OLED+LED/WIFI+APP						
Interfaces: RS485 / USB/Wi-Fi/ GPRS/ RF/LAN	Yes/Yes/Optional/Optional/Optional /Optional						
Warranty:10 years	Yes						
Place of production	Made in China						
CE, IEC62109, AS/NZS4777.2, CEI 0-21, VDE-AR-N4105, VDE0126-1-1, UTEC 15-712-1, EN 50549, IEC 62116, IEC 61727, G98/G99							

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