

MIN 2500~5000TL-XA

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



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Preliminary

Datasheet	MIN 2500TL-XA	MIN 3000TL-XA	MIN 3600TL-XA	MIN 4200TL-XA	MIN 4600TL-XA	MIN 5000TL-XA
Input data (DC battery)						
Compatible battery	ARK XH Battery System (5.12kWh~17.9kWh)					
Operating voltage range	360-500V	360-500V	360-550V	360-550V	360-550V	360-550V
Max.operating current	17A					
Max.charge power	5kW					
Max.discharge power	2500W	3000W	3600W	4200W	4600W	5000W
Output data (AC)						
AC nominal power	2500W	3000W	3600W	4200W	4600W	5000W
Max. AC apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA
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
Adjustable power factor	0.8leading...0.8lagging					
THDI	< 3%					
AC grid connection type	Single phase					
Output data (Backup*)						
Max. apparent power	2500VA	3000VA	3600VA	4200VA	4600VA	5000VA
Nominal AC voltage	230V					
AC grid frequency	50/60Hz					
Efficiency						
Max. efficiency	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%
European efficiency	97.1%	97.1%	97.2%	97.2%	97.5%	97.5%
Protection devices						
AC surge protection	Type III					
Insulation resistance monitoring	Yes					
AC short-circuit protection	Yes					
Ground fault monitoring	Yes					
Grid monitoring	Yes					
Residual-current monitoring unit	Yes					
General data						
Dimensions (W / H / D)	375/350/160mm					
Weight	10.8kg					
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%					
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					
CE, IEC62109, AS/NZS 4777.2, CEI 0-21, VDE-AR-N 4105, VDE 0126-1-1, UTE C 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.

* Backup power function need a Backup Box accessory.