

INVERTERS

MIN 2500-5000TL-XA

Hybrid inverter · Single-phase · 2.5 – 5 kW · 6 models


2.5 – 5 kW

RATED POWER

Single-phase

PHASE

98.2 – 98.4 %

MAX. EFFICIENCY

IP65

PROTECTION CLASS

Parameter	Unit	MIN 2500TL-XA	MIN 3000TL-XA	MIN 3600TL-XA	MIN 4200TL-XA	MIN 4600TL-XA	MIN 5000TL-XA
AC output							
Rated output power	W	2500	3000	3600	4200	4600	5000
Max. apparent power	VA	2500	3000	3600	4200	4600	5000
Rated AC voltage	V	230					
Phase		Single-phase					
Rated AC frequency	Hz	50/60					
Max. AC output current	A	11.3	13.6	16	19	20.9	22.7
Power factor		0.8 leading to 0.8 lagging (adjustable)					
Total harmonic distortion (THDi)	%	<3					
AC voltage range	V	180 – 280					
AC grid frequency range	Hz	45-55 / 55-65					
Backup: Max. apparent power	VA	2500	3000	3600	4200	4600	5000
Backup: Nominal AC voltage	V	230					
Backup: AC grid frequency	Hz	50/60					
Backup function requirement		Requires a Backup Box accessory					
Battery							
Battery type		Compatible with ARK XH battery system (5.12-17.9 kWh)					
Battery voltage range	V	360 – 500		360 – 550			
Max. charge power	W	5000					
Max. discharge power	W	2500	3000	3600	4200	4600	5000
Max. operating current (battery side)	A	17					

Parameter	Unit	MIN 2500TL-XA	MIN 3000TL-XA	MIN 3600TL-XA	MIN 4200TL-XA	MIN 4600TL-XA	MIN 5000TL-XA
Efficiency							
Max. efficiency	%	98.2			98.4		
European efficiency	%	97.1	97.2		97.5		
Protection							
Protection functions		AC surge protection (Type III); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Residual-current monitoring unit					
General data							
Dimensions (W x H x D)	mm	375 × 350 × 160					
Weight	kg	10.8					
Ingress protection (IP rating)		IP65					
Operating temperature range	°C	−25 – 60					
Relative humidity	%	0 – 100					
Max. operating altitude	m	4000					
Cooling		Natural convection					
Topology		Transformerless					
Night-time power consumption	W	<3					
Warranty	years	10					
AC connection		Connector					
Communication							
Display		OLED + LED; Wi-Fi + APP					
Communication interfaces		RS485; USB; Wi-Fi (optional); GPRS (optional); RF (optional); LAN (optional)					
Monitoring		24 h self-consumption monitoring					
Certifications							
Certifications and standards		CE; IEC 62109					
Grid codes		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					

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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