

INVERTERS

MIN 7000-10000TL-X-X2

String inverter · Single-phase · 7 – 10 kW · 8 models


7 – 10 kW

RATED POWER

Single-phase

PHASE

3

MPPT TRACKERS

98.1 %

MAX. EFFICIENCY

Parameter	Unit	MIN 7000TL-X	MIN 7000TL-X2	MIN 8000TL-X	MIN 8000TL-X2	MIN 9000TL-X	MIN 9000TL-X2	MIN 10000TL-X	MIN 10000TL-X2
PV input									
Max. PV input power	W	12000				13500		15000	
Max. PV input voltage	V	600							
Start-up voltage	V	100	80	100	80	100	80	100	80
Rated PV input voltage	V	360							
MPPT voltage range	V	60 – 550							
Max. input current per MPPT	A	13.5	16	13.5	16	27	16	27	16
Max. short-circuit current per MPPT	A	16.9	24	16.9	24	33.8	24	33.8	24
Number of MPPT trackers		3							
PV strings per MPPT		1				2	1	2	1
Max. PV input current by MPPT tracker	A	13.5 / 13.5 / 13.5	16 / 16 / 16	13.5 / 13.5 / 13.5	16 / 16 / 16	13.5 / 13.5 / 27	16 / 16 / 16	13.5 / 13.5 / 27	16 / 16 / 16
Max. PV short-circuit current by MPPT tracker	A	16.9 / 16.9 / 16.9	24 / 24 / 24	16.9 / 16.9 / 16.9	24 / 24 / 24	16.9 / 16.9 / 33.8	24 / 24 / 24	16.9 / 16.9 / 33.8	24 / 24 / 24
PV strings by MPPT tracker		1 / 1 / 1				1 / 1 / 2	1 / 1 / 1	1 / 1 / 2	1 / 1 / 1
AC output									
Rated output power	W	7000		8000		9000		10000	
Max. apparent power	VA	7000		8000		9000		10000	
Rated AC voltage	V	220							
AC voltage range	V	160 – 300							
Max. AC output current	A	33.5		38.3		43		45.5	
Phase		Single-phase							
Rated AC frequency	Hz	50/60							
AC grid frequency range (50 Hz / 60 Hz)	Hz	44-55 / 54-65							

Parameter	Unit	MIN 7000TL-X	MIN 7000TL-X2	MIN 8000TL-X	MIN 8000TL-X2	MIN 9000TL-X	MIN 9000TL-X2	MIN 10000TL-X	MIN 10000TL-X2
Power factor		0.8 leading to 0.8 lagging (adjustable)							
Total harmonic distortion (THDi)	%	<3							
Efficiency									
Max. efficiency	%	98.1							
European efficiency	%	97.3	97.5	97.3	97.5	97.6	97.5	97.6	97.5
MPPT efficiency	%	99.5							
Protection									
Protection functions		DC reverse polarity protection; DC switch; Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; AFCI protection (optional)							
DC surge protection		Type II / Type III	Type II	Type II / Type III	Type II	Type II / Type III	Type II	Type II / Type III	Type II
General data									
Dimensions (W x H x D)	mm	425 × 387 × 180							
Weight	kg	18.2	20	18.2	20	18.2	20	18.2	20
Operating temperature range	°C	-25 – 60	-30 – 60	-25 – 60	-30 – 60	-25 – 60	-30 – 60	-25 – 60	-30 – 60
Night-time power consumption	W	<1							
Topology		Transformerless							
Cooling		Natural convection							
Ingress protection (IP rating)		IP66							
Relative humidity	%	0 – 100							
Max. operating altitude	m	4000							
DC connection		H4 / MC4 (optional)							
AC connection		Cable gland + OT terminal							
Warranty	years	5 – 10							
Communication									
Display		OLED + LED							
Communication interfaces		RS485; USB; Wi-Fi (optional); GPRS (optional); RF (optional); LAN (optional)							
Certifications									
Certifications and standards		CE; INMETRO; IEC 62109	CE; IEC 62109	CE; INMETRO; IEC 62109	CE; IEC 62109	CE; INMETRO; IEC 62109	CE; IEC 62109	CE; INMETRO; IEC 62109	CE; IEC 62109
Grid codes		IEC 62116; AS 4777; UL 1741; IEEE 1547	IEC 61683; AS/NZS 4777.2; IEC 63027; IEEE 1547; UL 1741	IEC 62116; AS 4777; UL 1741; IEEE 1547	IEC 61683; AS/NZS 4777.2; IEC 63027; IEEE 1547; UL 1741	IEC 62116; AS 4777; UL 1741; IEEE 1547	IEC 61683; AS/NZS 4777.2; IEC 63027; IEEE 1547; UL 1741	IEC 62116; AS 4777; UL 1741; IEEE 1547	IEC 61683; AS/NZS 4777.2; IEC 63027; IEEE 1547; UL 1741

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.

E-mail lidreamtec@163.com

WhatsApp +86 133 5280 0772