

INVERTERS

MAX 100-150KTL3-X LV

String inverter · Three-phase · 100 – 150 kW · 5 models


100 – 150 kW

RATED POWER

Three-phase

PHASE

10

MPPT TRACKERS

98.8 %

MAX. EFFICIENCY

Parameter	Unit	MAX 100KTL3-X LV	MAX 110KTL3-X LV	MAX 120KTL3-X LV	MAX 125KTL3-X LV	MAX 150KTL3-X LV
PV input						
Max. PV input power	W	150000	165000	180000	187500	225000
Max. PV input voltage	V	1100				
Rated PV input voltage	V	600				
MPPT voltage range	V	180 – 1000				
Start-up voltage	V	195				
Max. input current per MPPT	A	32				45
Max. short-circuit current per MPPT	A	40				56.5
Number of MPPT trackers		10				
PV strings per MPPT		2				3
AC output						
Rated output power	W	100000	110000	120000	125000	150000
Max. apparent power	VA	110000	121000	132000	137500	165000
Rated AC voltage	V	400				
Nominal AC voltage options and range		220/380 V; 230/400 V (340–440 V)				
Phase		Three-phase				
AC grid connection type		3W/N/PE				
Rated AC frequency	Hz	50/60				
Rated AC frequency and range		50/60 Hz (45–55 Hz / 55–65 Hz)				
Max. AC output current	A	158.8	174.6	190.5	198.5	238.2
Max. output current at 380 V	A	167.1	183.8	200.5	208.9	250.7
Power factor		0.8 leading to 0.8 lagging (adjustable)				
Total harmonic distortion (THDi)	%	<3				
Efficiency						
Max. efficiency	%	98.8				
European efficiency	%	98.4	98.5			98.4
MPPT efficiency	%	99.9				

Parameter	Unit	MAX 100KTL3-X LV	MAX 110KTL3-X LV	MAX 120KTL3-X LV	MAX 125KTL3-X LV	MAX 150KTL3-X LV
Protection						
Protection functions		DC reverse polarity protection; DC switch; Type II DC surge protection; Type II AC surge protection; Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; String detection; Anti-PID function; Arc fault detection (AFCI)				DC reverse polarity protection; DC switch; Type II DC surge protection; Type II AC surge protection; Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; String detection; Anti-PID function (optional); Arc fault detection (AFCI)(optional)
General data						
Dimensions (W x H x D)	mm	970 × 640 × 345				1075 × 640 × 367
Weight	kg	84				93
Ingress protection (IP rating)		IP66				
Operating temperature range	°C	−30 – 60				
Relative humidity	%	0 – 100				
Max. operating altitude	m	4000				
Cooling		Smart air cooling				
Topology		Transformerless				
Night-time power consumption	W	<1				
Warranty	years	5 – 10				
DC connection		H4 / MC4 (max. 6 mm²)				
AC connection		OT terminal (max. 240 mm²)				
Communication						
Display		LED / Wi-Fi + app				
Communication interfaces		RS485; USB; PLC (optional); GPRS (optional); 4G (optional)				RS485; USB; PLC (optional); GPRS (optional); 4G (optional); Wi-Fi (optional)
Certifications						
Certifications and standards		CE; UKCA; CB; BIS; IEC 61683; IEC 60068				CE
Grid codes		IEC 62116; IEC 61727; Poland Type A/B; CEI 0-16; CEI 0-21; C10/C11; EN 50549-1; EN 50549-2; EN 50549-1/10; VDE-AR-N 4105; VDE-AR-N 4110; VDE 0126; UNE 217001; UNE 217002; NTS Type C; IEEE 1547; UL 1741				IEC 62116; IEC 61727

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