

INVERTERS

MOD 3-15KTL3-X-X2(Pro)

String inverter · Three-phase · 3 – 15 kW · 16 models


3 – 15 kW

RATED POWER

Three-phase

PHASE

2

MPPT TRACKERS

98.3 – 98.6 %

MAX. EFFICIENCY

Parameter	Unit	Common to all models
PV input		
Max. PV input voltage	V	1100
Start-up voltage	V	160
MPPT voltage range	V	140 – 1000
Number of MPPT trackers		2
AC output		
Rated AC voltage	V	400
Nominal AC voltage options	V	220/380 or 230/400
AC voltage range	V	340 – 440
Phase		Three-phase
Rated AC frequency	Hz	50/60
AC grid frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65
Power factor		0.8 leading to 0.8 lagging (adjustable)
Total harmonic distortion (THDi)	%	<3
AC grid connection type		3W+N+PE
Efficiency		
MPPT efficiency	%	99.9
General data		
Ingress protection (IP rating)		IP66
Operating temperature range	°C	–25 – 60
Relative humidity	%	0 – 100
Max. operating altitude	m	4000
Cooling		Natural convection
Topology		Transformerless

Parameter	Unit	Common to all models
Night-time power consumption	W	<1
Warranty	years	5 – 10
DC connection		H4 / MC4 (optional)
AC connection		Connector
Communication		
Display		OLED + LED; Wi-Fi + app
Communication interfaces		USB; RS485; Wi-Fi (optional); GPRS (optional); LAN (optional); RF (optional)

Parameter	Unit	MOD 3000TL3-X	MOD 4000TL3-X	MOD 5000TL3-X	MOD 6000TL3-X	MOD 7000TL3-X	MOD 8000TL3-X	MOD 9000TL3-X	MOD 10KTL3-X
PV input									
Max. PV input power	W	4500	6000	7500	9000	10500	12000	13500	15000
Rated PV input voltage	V	580							
PV strings per MPPT		1							
Max. input current per MPPT	A	13							
Max. short-circuit current per MPPT	A	16							
AC output									
Rated output power	W	3000	4000	5000	6000	7000	8000	9000	10000
Max. apparent power	VA	3300	4400	5500	6600	7700	8800	9900	11000
Max. AC output current	A	5	6.7	8.3	10	11.7	13.3	15	16.7
Efficiency									
Max. efficiency	%	98.3				98.6			
European efficiency	%	97.5				98.1			
Protection									
Protection functions		DC reverse polarity protection; DC switch; Surge protection (AC Type II / DC Type II); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; String fault monitoring; AFCI protection (optional)							
General data									
Dimensions (W x H x D)	mm	425 × 387 × 147				425 × 387 × 178			
Weight	kg	12.5				14			
Certifications									
Certifications and standards		CE; IEC 60068; IEC 61683							
Grid codes		VDE 0126; Greece; EN 50549; C10/C11; UTE C 15-712; IEC 62116; IEC 61727; CEI 0-21; N4105; TOR Erzeuger; G98; G99; G100; AS 4777; UNE 217001; UNE 206007; PO 12.2							

Parameter	Unit	MOD 11KTL3-X	MOD 12KTL3-X	MOD 13KTL3-X	MOD 15KTL3-X	MOD 3000TL3-X2 (Pro)	MOD 4000TL3-X2 (Pro)	MOD 5000TL3-X2 (Pro)	MOD 6000TL3-X2 (Pro)
PV input									
Max. PV input power	W	16500	18000	19500	22500	4500	6000	7500	9000
Rated PV input voltage	V	580				600			
PV strings per MPPT		1	2			1			
Max. input current per MPPT	A	13	26			20			
Max. short-circuit current per MPPT	A	16	32			25			
AC output									
Rated output power	W	11000	12000	13000	15000	3000	4000	5000	6000
Max. apparent power	VA	12100	13200	14300	16500	3300	4400	5500	6600
Max. AC output current	A	18.3	20	21.7	25	5	6.7	8.3	10
Efficiency									
Max. efficiency	%	98.6				98.3			
European efficiency	%	98.1	98.2			97.5			
Protection									
Protection functions		DC reverse polarity protection; DC switch; Surge protection (AC Type II / DC Type II); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; String fault monitoring; AFCI protection (optional)				DC reverse polarity protection; Surge protection (AC Type II / DC Type II); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; String fault monitoring; AFCI protection (optional)			
General data									
Dimensions (W x H x D)	mm	425 × 387 × 178							
Weight	kg	14	16			14.6			
Certifications									
Certifications and standards		CE; IEC 60068; IEC 61683				CE; BIS; DRRG; IEC 60068; IEC 61683; IEC 62910; IEC 63027			
Grid codes		VDE 0126; Greece; EN 50549; C10/C11; UTE C 15-712; IEC 62116; IEC 61727; CEI 0-21; N4105; TOR Erzeuger; G98; G99; G100; AS 4777; UNE 217001; UNE 206007; PO 12.2				IEC 62116; IEC 61727; CEI; 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.

E-mail lidreamtec@163.com

WhatsApp +86 133 5280 0772