

INVERTERS

MIC 750-3300TL-X-X2(Pro)

String inverter · Single-phase · 0.75 – 3.3 kW · 19 models


0.75 – 3.3 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

97.4 – 97.6 %

MAX. EFFICIENCY

Parameter	Unit	Common to all models
PV input		
Number of MPPT trackers		1
PV strings per MPPT		1
AC output		
Rated AC voltage	V	230
AC voltage range	V	180 – 280
Phase		Single-phase
Rated AC frequency	Hz	50/60
Grid frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65
Total harmonic distortion (THDi)	%	<3
Power factor		0.8 leading to 0.8 lagging (adjustable)
Efficiency		
MPPT efficiency	%	99.9
General data		
Dimensions (W x H x D)	mm	274 × 254 × 138
Night-time power consumption	W	<0.5
Topology		Transformerless
Cooling		Natural convection
Max. operating altitude	m	4000
DC connector		H4; MC4 (optional)
AC connector		Connector

Parameter		Unit	Common to all models					
Communication								
Display			OLED + LED					
Communication interfaces			RS485; USB; Wi-Fi (optional); GPRS (optional); RF (optional); LAN (optional)					
Monitoring			Wi-Fi + app					
Parameter	Unit	MIC 750TL-X	MIC 1000TL-X	MIC 1500TL-X	MIC 2000TL-X	MIC 2500TL-X	MIC 3000TL-X	MIC 3300TL-X
PV input								
Max. PV input power	W	1050	1400	2100	2800	3500	4200	4290
Max. PV input voltage	V	500				550		
Start-up voltage	V	50				80		
Rated PV input voltage	V	120	180	250	360			
MPPT voltage range	V	50 – 500				65 – 550		
Max. input current per MPPT	A	13						
Max. short-circuit current per MPPT	A	16						
AC output								
Rated output power	W	750	1000	1500	2000	2500	3000	3300
Max. apparent power	VA	750	1000	1500	2000	2500	3000	3300
Max. AC output current	A	3.6	4.8	7.1	9.5	11.9	14.3	
Efficiency								
Max. efficiency	%	97.4				97.6		
European efficiency	%	96.5		97			97.1	
Protection								
Protection functions		DC reverse polarity protection; DC switch; AC/DC surge protection (Type III / Type III); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; AFCI protection (optional)						
General data								
Weight	kg	6				6.2		
Operating temperature range	°C	–25 – 60						
Ingress protection (IP rating)		IP65						
Relative humidity	%	0 – 100						
Warranty	years	5 – 10						
Certifications								
Certifications and standards		CE; UKCA; INMETRO; IEC 62109-1; IEC 62109-2						
Grid codes		CEI 0-21; VDE-AR-N 4105; VDE 0126-1-1; VFR 2019; EN 50549-1; IEC 60068; IEC 61683; IEC 62116; IEC 61727; G98; C10/C11; UNE 217001; UNE 217002; Poland; AS/NZS 4777.2						

Parameter	Unit	MIC 750TL-X2	MIC 800TL-X2	MIC 1000TL-X2	MIC 1500TL-X2	MIC 2000TL-X2	MIC 2500TL-X2
PV input							
Max. PV input power	W	1120	1200	1500	2250	3000	3750
Max. PV input voltage	V	500					550
Start-up voltage	V	50					
Rated PV input voltage	V	120	180	250	360		
MPPT voltage range	V	50 – 500					50 – 550
Max. input current per MPPT	A	16					
Max. short-circuit current per MPPT	A	24					
AC output							
Rated output power	W	750	800	1000	1500	2000	2500
Max. apparent power	VA	750	800	1000	1500	2000	2500
Max. AC output current	A	3.6	3.8	4.8	7.1	9.5	11.9
Efficiency							
Max. efficiency	%	97.4					97.6
European efficiency	%	96.5			97		
Protection							
Protection functions		DC reverse polarity protection; DC switch; AC/DC surge protection (Type III / Type III); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; AFCI protection (optional)					
General data							
Weight	kg	6				6.2	
Operating temperature range	°C	–30 – 60					
Ingress protection (IP rating)		IP66					
Relative humidity	%	100					
Warranty	years	10					
Certifications							
Certifications and standards		CE; UKCA; INMETRO; BIS; KS					
Grid codes		CEI 0-21; VDE-AR-N 4105; VDE 0126-1-1; VFR 2019; EN 50549-1; IEC 60068; IEC 61683; IEC 62116; IEC 61727; G98; C10/C11; EN 50549-10; G99					

Parameter	Unit	MIC 3000TL-X2	MIC 3300TL-X2	MIC 1000TL-X2 (Pro)	MIC 2000TL-X2 (Pro)	MIC 3000TL-X2 (Pro)	MIC 3300TL-X2 (Pro)
PV input							
Max. PV input power	W	4500	4950	1500	3000	4500	4950
Max. PV input voltage	V	550		500		550	
Start-up voltage	V	50					
Rated PV input voltage	V	360		180	360		
MPPT voltage range	V	50 – 550		50 – 500		50 – 550	
Max. input current per MPPT	A	16		18			
Max. short-circuit current per MPPT	A	24					
AC output							
Rated output power	W	3000	3300	1000	2000	3000	3300
Max. apparent power	VA	3000	3300	1000	2000	3000	3300
Max. AC output current	A	14.3		4.8	9.5	14.3	
Efficiency							
Max. efficiency	%	97.6		97.4		97.6	
European efficiency	%	97.1		96.5	97	97.1	
Protection							
Protection functions		DC reverse polarity protection; DC switch; AC/DC surge protection (Type III / Type III); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; AFCI protection (optional)		DC reverse polarity protection; AC/DC surge protection (Type III / Type III); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; AFCI protection (optional)			
General data							
Weight	kg	6.2		6	6.2		
Operating temperature range	°C	–30 – 60					
Ingress protection (IP rating)		IP66					
Relative humidity	%	100					
Warranty	years	10		8 – 10			
Certifications							
Certifications and standards		CE; UKCA; INMETRO; BIS; KS		CE; BIS			
Grid codes		CEI 0-21; VDE-AR-N 4105; VDE 0126-1-1; VFR 2019; EN 50549-1; IEC 60068; IEC 61683; IEC 62116; IEC 61727; G98; C10/C11; EN 50549-10; 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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