

INVERTERS

MID 15-30KTL3-X-X2

String inverter · Three-phase · 15 – 30 kW · 9 models


15 – 30 kW

RATED POWER

Three-phase

PHASE

2

MPPT TRACKERS

98.75 %

MAX. EFFICIENCY

Parameter	Unit	Common to all models
PV input		
Max. PV input voltage	V	1100
MPPT voltage range	V	200 – 1000
Number of MPPT trackers		2
AC output		
Rated AC voltage	V	400
Rated AC voltage options	V	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		
Max. efficiency	%	98.75
European efficiency	%	98.6
Protection		
Protection functions		DC reverse polarity protection; DC switch; AC/DC surge protection (Type II / Type II); Insulation resistance monitoring; AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring unit; String monitoring; AFCI protection (optional)
General data		
Operating temperature range	°C	–25 – 60
Night-time power consumption	W	<1

Parameter	Unit	Common to all models
Topology		Transformerless
Cooling		Smart air cooling
Relative humidity	%	0 – 100
Max. operating altitude	m	4000
DC connection		H4 / MC4 (optional)
Warranty	years	5 – 10
Communication		
Display		OLED + LED / Wi-Fi + app
Communication interfaces		RS485; USB; Wi-Fi (optional); GPRS (optional); RF (optional); LAN (optional)

Parameter	Unit	MID 15KTL3-X	MID 17KTL3-X	MID 17KTL3-X2	MID 20KTL3-X	MID 20KTL3-X2
PV input						
Max. PV input power	W	22500	25500		30000	
Start-up voltage	V	250		200	250	200
Rated PV input voltage	V	580		600	580	600
PV strings per MPPT		2				
Max. input current per MPPT	A	27		32	27	32
Max. short-circuit current per MPPT	A	33.8		40	33.8	40
Max. PV input current by MPPT tracker	A	27 / 27		32 / 32	27 / 27	32 / 32
Max. PV short-circuit current by MPPT tracker	A	33.8 / 33.8		40 / 40	33.8 / 33.8	40 / 40
AC output						
Rated output power	W	15000	17000		20000	
Max. apparent power	VA	16600	18800		22000	
Max. AC output current	A	24.2	27.4	28.6	31.9	33.6
Efficiency						
MPPT efficiency	%	99.9		–	99.9	–
General data						
Dimensions (W x H x D)	mm	525 × 395 × 222		528 × 415 × 225	525 × 395 × 222	528 × 415 × 225
Weight	kg	23		22	23	22
Ingress protection (IP rating)		IP65		IP66	IP65	IP66
AC connection		Cable gland + OT terminal		Waterproof PG gland + OT terminal or quick-connect terminal	Cable gland + OT terminal	Waterproof PG gland + OT terminal or quick-connect terminal

Parameter	Unit	MID 15KTL3-X	MID 17KTL3-X	MID 17KTL3-X2	MID 20KTL3-X	MID 20KTL3-X2
Certifications						
Certifications and standards		CE		CE; UKCA; BIS; CQC; KS; INMETRO	CE	CE; UKCA; BIS; CQC; KS; INMETRO
Grid codes		VDE 0126; Greece; EN 50549-1; C10/C11; UTE C 15-712; IEC 62116; IEC 61727; IEC 60068; IEC 61683; CEI 0-21; N4105		EN 50549-1; IEC 62116; IEC 61727; TOR Erzeuger Type A; IEC 62910; IEC 61683; IEC 60068; CEI 0-21; CEI 0-16; DRRG; N4105; VDE 0126; C10/C11; UNE 217001; UNE 217002; NTS Type A; Poland; Denmark	VDE 0126; Greece; EN 50549-1; C10/C11; UTE C 15- 712; IEC 62116; IEC 61727; IEC 60068; IEC 61683; CEI 0- 21; N4105	EN 50549-1; IEC 62116; IEC 61727; TOR Erzeuger Type A; IEC 62910; IEC 61683; IEC 60068; CEI 0-21; CEI 0-16; DRRG; N4105; VDE 0126; C10/C11; UNE 217001; UNE 217002; NTS Type A; Poland; Denmark

Parameter	Unit	MID 22KTL3-X	MID 25KTL3-X	MID 25KTL3-X2	MID 30KTL3-X2
PV input					
Max. PV input power	W	33000	37500		45000
Start-up voltage	V	250		200	
Rated PV input voltage	V	580		600	
PV strings per MPPT		2	3	2	3
Max. input current per MPPT	A	27	40.5	36	48
Max. short-circuit current per MPPT	A	33.8	50.7	45	60
Max. PV input current by MPPT tracker	A	27 / 27	27 / 40.5	32 / 36	32 / 48
Max. PV short-circuit current by MPPT tracker	A	33.8 / 33.8	33.8 / 50.7	40 / 45	40 / 60
AC output					
Rated output power	W	22000	25000		30000
Max. apparent power	VA	24400	27700		33300
Max. AC output current	A	35.5	40.2	42	50.5
Efficiency					
MPPT efficiency	%	99.9		-	
General data					
Dimensions (W x H x D)	mm	525 × 395 × 222		528 × 415 × 225	
Weight	kg	23		22	24
Ingress protection (IP rating)		IP65		IP66	
AC connection		Cable gland + OT terminal		Waterproof PG gland + OT terminal or quick-connect terminal	

Parameter	Unit	MID 22KTL3-X	MID 25KTL3-X	MID 25KTL3-X2	MID 30KTL3-X2
Certifications					
Certifications and standards		CE		CE; UKCA; BIS; CQC; KS; INMETRO	
Grid codes		VDE 0126; Greece; EN 50549-1; C10/C11; UTE C 15-712; IEC 62116; IEC 61727; IEC 60068; IEC 61683; CEI 0-21; N4105		EN 50549-1; IEC 62116; IEC 61727; TOR Erzeuger Type A; IEC 62910; IEC 61683; IEC 60068; CEI 0-21; CEI 0-16; DRRG; N4105; VDE 0126; C10/C11; UNE 217001; UNE 217002; NTS Type A; Poland; Denmark	

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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