

INVERTERS

MID 25-40KTL3-X

String inverter · Three-phase · 25 – 40 kW · 5 models


25 – 40 kW

RATED POWER

Three-phase

PHASE

3

MPPT TRACKERS

98.8 %

MAX. EFFICIENCY

Parameter	Unit	MID 25KTL3-X1	MID 30KTL3-X	MID 33KTL3-X	MID 36KTL3-X	MID 40KTL3-X
PV input						
Max. PV input power	W	37500	45000	49500	54000	60000
Max. PV input voltage	V	1100				
Start-up voltage	V	250				
Rated PV input voltage	V	600				
MPPT voltage range	V	200 – 1000				
Number of MPPT trackers		3			4	
PV strings per MPPT		2				
Max. input current per MPPT	A	26				
Max. short-circuit current per MPPT	A	32				
AC output						
Rated output power	W	25000	30000	33000	36000	40000
Max. apparent power	VA	27700	33300	36600	39600	44000
Rated AC voltage	V	400				
Rated AC voltage options	V	220/380; 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				
Max. AC output current	A	41.9	50.5	55.5	60	66.6
Power factor		0.8 leading to 0.8 lagging (adjustable)				
Total harmonic distortion (THDi)	%	<3				
AC grid connection type		3W + N + PE				

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Efficiency						
Max. efficiency	%	98.8				
European efficiency	%	98.5				
MPPT efficiency	%	99.9				
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 (function to be activated after installation)				
General data						
Dimensions (W x H x D)	mm	580 × 435 × 230				
Weight	kg	29.5			30.5	
Operating temperature range	°C	-25 – 60				
Night-time power consumption	W	<1				
Topology		Transformerless				
Cooling		Smart air cooling				
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 / Wi-Fi + app				
Communication interfaces		RS485; USB; Wi-Fi (optional); GPRS (optional); RF (optional); LAN (optional)				
Certifications						
Certifications and standards		CE				
Grid codes		VDE 0126; Greece; EN 50549; C10/C11; UTE C 15-712; IEC 62116; IEC 61727; IEC 60068; IEC 61683; CEI 0-21; CEI 0-16; N 4105; TOR Erzeuger; G98/G99; G100; AS/NZS 3100; AS 4777; UNE 217001; UNE 206007; PO12.2; KSC 8565; NTS TypeA				

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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