

INVERTERS

MID 36-60KTL3-X3

String inverter · Three-phase · 36 – 60 kW · 4 models


36 – 60 kW

RATED POWER

Three-phase

PHASE

4

MPPT TRACKERS

98.8 %

MAX. EFFICIENCY

Parameter	Unit	MID 36KTL3-X3	MID 40KTL3-X3	MID 50KTL3-X3	MID 60KTL3-X3
PV input					
Max. PV input power	W	54000	60000	75000	90000
Max. PV input voltage	V	1100			
Rated PV input voltage	V	600			
MPPT voltage range	V	160 – 1000			
Full-load MPPT voltage range (certification)	V	350 – 850		420 – 850	
Start-up voltage	V	200			
Max. input current per MPPT	A	40			
Max. short-circuit current per MPPT	A	50			
Number of MPPT trackers		4			5
PV strings per MPPT		2			
Max. input current per MPPT (tracker by tracker)	A	40 / 40 / 40 / 40			40 / 40 / 40 / 40 / 20
Max. short-circuit current per MPPT (tracker by tracker)	A	50 / 50 / 50 / 50			50 / 50 / 50 / 50 / 25
Max. input current per string	A	20			
Max. DC/AC ratio	%	150			
AC output					
Rated output power	W	36000	40000	50000	60000
Max. apparent power	VA	40000	44400	55500	66600
Rated AC voltage	V	400			
Rated AC voltage options	V	220/380; 230/400			
AC voltage range	V	340 – 440			
Phase		Three-phase			
Grid connection type		3W+N+PE			
Rated AC frequency	Hz	50/60			
Grid frequency range (50 Hz / 60 Hz)	Hz	45-55 / 55-65			
Max. AC output current	A	60.6	67.3	84.1	100.9
Power factor		>0.99 at rated power; adjustable 0.8 leading to 0.8 lagging			
Total harmonic distortion (THDi)	%	<3			

Parameter	Unit	MID 36KTL3-X3	MID 40KTL3-X3	MID 50KTL3-X3	MID 60KTL3-X3
Efficiency					
Max. efficiency	%	98.8			
European efficiency	%	98.5			
Protection					
Protection functions		DC reverse polarity protection; DC switch; DC surge protection (Type II); Insulation resistance monitoring; AC surge protection (Type II); AC short-circuit protection; Ground fault monitoring; Grid monitoring; Anti-islanding protection; Residual-current monitoring; String monitoring (optional); Arc-fault circuit interrupter (AFCI)(optional)			
PID detection and recovery		No			
General data					
Dimensions (W x H x D)	mm	580 × 435 × 230			
Weight	kg	28.6	29.6	30.2	
Operating temperature range	°C	-25 – 60			
Noise level	dB	≤55			
Max. operating altitude	m	4000			
Altitude derating starts above	m	2000			
Topology		Transformerless			
Cooling		Forced air cooling			
Ingress protection (IP rating)		IP66			
Relative humidity	%	0 – 100			
DC terminal type		H4 / MC4 (optional)			
AC terminal type		Waterproof PG gland + OT terminal			
Warranty	years	5 – 10			
Warranty options		5 years standard; 10 years optional			
Communication					
Display		LED indicator + OLED / Wi-Fi + App			
Communication interfaces		USB; RS485; Wi-Fi (optional); GPRS (optional); 4G (optional); LAN (optional)			
Monitoring		Optional external monitoring modules: Wi-Fi/LAN module (single device); 4G data logger or other module (parallel devices)			
Smart diagnostics		Intelligent string monitoring; smart I-V curve scan			
Certifications					
Certifications and standards		CE; IEC 61683; IEC 60068; IEC 62116; IEC 61727; INMETRO			
Grid codes		RD 1699			

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