



MAC 17~25KTL3-X



- Max. efficiency 98.6%
- 40% compact and lighter
- Dual MPP trackers
- Supports export control
- Touch key and OLED display
- Type II SPD on DC side



輸入數據(直流) Input Data

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
最大直流輸入功率 Max. recommended PV power (for module STC)	22100W	26000W	28600W	32500W
最大直流輸入電壓 Max. DC voltage	1100V	1100V	1100V	1100V
啟動電壓 Start Voltage	250V	250V	250V	250V
MPPT工作電壓範圍 MPPT work voltage range	200V-1000V	200V-1000V	200V-1000V	200V-1000V
額定電壓 Nominal voltage	580V	580V	580V	580V
追蹤器數量/每追蹤器併數 Number of MPP trackers/Strings per MPP tracker	2/2	2/2	2/2	2/2
最大 MPPT 的輸入電流 Max. input current per MPPT	25	25	25	25
每串MPPT最大輸入電流 Max. short circuit current per MPPT	32	32	32	32

輸出數據(交流) Output (AC)

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
額定交流輸出功率 Rated AC output power	17000W	20000W	22000W	25000W
額定交流電壓 Max. AC apparent power	18800VA	22000VA	22000VA	25000VA
交流電壓範圍 Max. output current	27.5A	32.2A	32.2A	40.3A
額定輸出電壓範圍 AC nominal voltage; range	230V/400V; 340-440V	230V/400V; 340-440V	230V/400V; 340-440V	230V/400V; 340-440V
交流電網頻率範圍 AC grid frequency; range	50/60 Hz; 45~55Hz/55-65 Hz	50/60 Hz; 45~55Hz/55-65 Hz	50/60 Hz; 45~55Hz/55-65 Hz	50/60 Hz; 45~55Hz/55-65 Hz
最大輸出電流 Max. output current	27.4A	31.9A	31.9A	36.2A
功率因數 Power factor	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging	0.8 leading - 0.8 lagging
諧波 THDi	<3%	<3%	<3%	<3%
交流電網連接類型 AC grid connection type	3W+N+PE	3W+N+PE	3W+N+PE	3W+N+PE

效率 Efficiency

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
最大效率 Max. efficiency	98.60%	98.60%	98.60%	98.60%
歐洲加權效率 Euro - eta	98.10%	98.10%	98.10%	98.10%

設備保護 Protection Devices

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
直流反極性保護 DC reverse polarity protection	yes	yes	yes	yes
每個MPPT追蹤器直流開關 DC Switch for each MPPT	yes	yes	yes	yes
直流突波保護 DC Surge protection	Typell	Typell	Typell	Typell
接地故障檢測 Ground fault monitoring	yes	yes	yes	yes
交流短路保護 Output short circuit protection	Typell (opt)	Typell (opt)	Typell (opt)	Typell (opt)
輸出過壓保護 - 壓敏電阻 AC Surge protection	Typell	Typell	Typell	Typell
串聯保險絲類型/尺寸(選項) String fault monitoring	yes	yes	yes	yes
AFCl (選項) AFCl protection	opt	opt	opt	opt

常規數據 General Data

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
尺寸(寬/高/深)mm Dimensions (W / H / D) in mm	525/395/222	525/395/222	525/395/222	525/395/222
重量 Weight	22kg	22kg	22kg	22kg
運行溫度範圍 Operating temperature range	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C	-25 °C ... +60 °C
噪聲指數(典型) Noise emission (typical)	≤50 dB(A)	≤50 dB(A)	≤50 dB(A)	≤50 dB(A)
夜間自耗電 Self-Consumption (night)	<1W	<1W	<1W	<1W
拓撲結構 Topology	Transformerless	Transformerless	Transformerless	Transformerless
冷卻方式 Cooling concept	Smart cooling	Smart cooling	Smart cooling	Smart cooling
環境保護等級 Environmental Protection Rating	IP65	IP65	IP65	IP65
海拔高度 Altitude	4000m	4000m	4000m	4000m
相對溼度 Relative Humidity	0~100%	0~100%	0~100%	0~100%
直流連接方式 DC connection	MC4/H4(opt)	MC4/H4(opt)	MC4/H4(opt)	MC4/H4(opt)

特點 Features

	MID 17KTL3-X	MID 20KTL3-X	MID 22KTL3-X	MID 25KTL3-X
顯示 Display	OLED+LED WIFI+APP	OLED+LED WIFI+APP	OLED+LED WIFI+APP	OLED+LED WIFI+APP
通訊接口 Interfaces: USB/RS485/WIFI/GPRS/4G	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt

認證許可 Certificates and Approvals

NB/T 32004-2013, IEC/EN62109-1, IEC/EN62109-2, EN61000-6-2, EN61000-6-4