

MAC 30~60KTL3-X LV



- 3 MPPTs
- Smart diagnosis
- High efficiency up to 98.8%
- Local WIFI connection
- OLED display and touch button
- AC&DC type II SPD
- Data storage up to 25 years
- DC side 2 in 1 connection enabled



輸入數據(直流) Input Data

	MAC 30KTL3-X LV	MAC 40KTL3-X LV	MAC 50KTL3-X LV	MAC 60KTL3-X LV
最大直流電源 Max. DC power	39000W	52000W	65000W	78000W
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
額定電壓 Nominal voltage	600V	600V	600V	600V
MPPT工作電壓範圍 MPPT voltage range	200V-1000V	200V-1000V	200V-1000V	200V-1000V
最大 MPP 的輸入電流 Max. input current per MPPT	37.5A/37.5A/25A	37.5A/37.5A/37.5A	50A/37.5A/37.5A	50A/50A/50A
MPPT路數 Number of MPP trackers/ strings per MPP tracker	3/3+3+2	3/3+3+3	3/4+3+3	3/4+4+4

輸出數據(交流) Output (AC)

標準輸出功率 Rated AC output power	30000W	40000W	50000W	60000W
額定交流電壓 Max. AC output power	33300VA	44400VA	55500VA	66600VA
標準交流電網頻率 AC nominal voltage	230V/400V	230V/400V	230V/400V	230V/400V
交流電網頻率範圍 AC grid frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
交流電壓範圍 Max. output current	48.3A	64.4A	80.5A	96.6A
功率因數 (cosφ) Power factor (cosφ)	0.8leading ...0.8lagging	0.8leading ...0.8lagging	0.8leading ...0.8lagging	0.8leading ...0.8lagging
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+PE	3W+PE

效率 Efficiency

最大效率 Max. efficiency	98.7%	98.7%	98.8%	98.8%
歐洲加權效率 Euro-eta	98.4%	98.5%	98.5%	98.5%
MPPT效率 MPPT efficiency	99.9%	99.9%	99.9%	99.9%

設備保護 Protection Devices

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	yes	yes	yes	yes
直流突波保護 DC Surge protection	Class II	Class II	Class II	Class II
接地故障檢測 Ground fault monitoring	yes	yes	yes	yes
交流短路保護 Output short circuit protection	Class II	Class II	Class II	Class II
輸出過壓保護 - 壓敏電阻 AC Surge protection	yes	yes	yes	yes

常規數據 General Data

尺寸(寬/高/深)mm Dimension(W/H/D)mm	680/508/281	680/508/281	680/508/281	680/508/281
重量 Weight	≤52kg	≤52kg	≤52kg	≤52kg
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)	≤60dB(A)	≤60dB(A)	≤60dB(A)	≤60dB(A)
相對溼度 Relative humidity	0~100%	0~100%	0~100%	0~100%
海拔高度 Altitude	4000m	4000m	4000m	4000m
夜間自耗電 Self-consumption	< 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

特點 Features

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/GPRS/WIFI/4G	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt	yes/yes/opt/opt/opt
質保期: 5年/10年 warranty:5 years/10years	yes/opt	yes/opt	yes/opt	yes/opt

認證許可 Certificates and Approvals

EN 61000-3, EN 61000-6, EN/IEC 62109-1, EN/IEC 62109-2, IEC 60068, IEC61683, IEC62116, IEC 61727