



MAC 50-60KTL3-X LV/MV



- Max. efficiency up to 98.8%, CEC efficiency 98.4%
- Max. DC voltage up to 1100V
- Can be used for two-sided photovoltaic module
- 3 MPPTs
- Intelligent air cooling
- SPD type II for AC/DC side
- OLED screen/touch button
- Various monitoring methods



輸入數據(直流) Input Data

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
最大直流電源 Max. DC power	65000W	78000W	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 MPPT voltage range /DC nominal voltage	200V-1000V/600V	200V-1000V/600V	200V-1000V/600V	200V-1000V/600V
最大 MPP 的輸入電流 Max.input current of the mpp tracker	12.5A	12.5A	12.5A	12.5A
MPPT路數 MPPT number/strings per MPPT	3/3+3+3	3/4+4+3	3/3+3+3	3/4+4+3

輸出數據(交流) Output (AC)

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
標準輸出功率 Rated AC output power	50000W	60000W	50000W	60000W
額定交流電壓 Max. AC output power	55500VA	66600VA	55500VA	66600VA
交流電壓範圍 Max. output current	80.5A	96.6A	66.9A	80.2A
標準交流電網頻率 AC nominal voltage;range	400V/340-440V AC	400V/340-440V AC	480V/425-540V AC	480V/425-540V AC
交流電網頻率範圍 AC frequency;range	50Hz,60Hz /±5Hz	50Hz,60Hz /±5Hz	50Hz,60Hz /±5Hz	50Hz,60Hz /±5Hz
功率因數 (cosφ) Power factor (cosφ)	1	1	1	1
功率因數調節範圍 Adjustable 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 connec tion	3W+N+PE	3W+N+PE	3W+PE	3W+PE

效率 Efficiency

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
最大效率 Max. efficiency	98.8%	98.8%	98.8%	98.8%
CEC 效率 CEC efficiency	98.4%	98.4%	98.4%	98.4%
MPPT效率 MPPT number/strings per MPPT	99.9%	99.9%	99.9%	99.9%

設備保護 Protection Devices

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
直流反極性保護 DC reverse polarity protec tion	yes	yes	yes	yes
每個MPP追蹤器直流開關 DC switch ra nging for each MPPT	yes	yes	yes	yes
輸入過壓突波保護器 DC leakage current protec tion	Class II	Class II	Class II	Class II
直流絕緣測量 Ground Fault Monitoring	yes	yes	yes	yes
輸出過壓保護 - 壓敏電阻 AC leakage current protec tion	Class II	Class II	Class II	Class II
串聯保險絲類型/尺寸(選件) AC short-circuit protec tion	yes	yes	yes	yes

常規數據 General Data

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
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	56kg	56kg	56kg	56kg
運行溫度範圍 Opera ting 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	≤ 55 dB(A)	≤ 55 dB(A)	≤ 55 dB(A)	≤ 55 dB(A)
海拔高度 Al titude	4000m	4000m	4000m	4000m
夜間自耗電 Self -consump tion on night	< 1W	< 1W	< 1W	< 1W
拓撲結構 Topology	transformerless	transformerless	transformerless	transformerless
冷卻方式 Cooling concept	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling	Intelligent air cooling
保護等級 Enclosure	IP 65	IP 65	IP 65	IP 65
相對溼度 Rela tive humidity	0~100%	0~100%	0~100%	0~100%

特點 Features

	MAC 50KTL3-X LV	MAC 60KTL3-X LV	MAC 50KTL3-X MV	MAC 60KTL3-X MV
DC 連結 DC connec tion	H4/MC4(opt) Connector	H4/MC4(opt) Connector	H4/MC4(opt) Connector	H4/MC4(opt) Connector
AC 連結 AC connec tion	OLED+LED/WIFI+APP	OLED+LED/WIFI+APP	OLED+LED/WIFI+APP	OLED+LED/WIFI+APP
顯示 Display	yes/yes/opt/opt	yes/yes/opt/opt	yes/yes/opt/opt	yes/yes/opt/opt
通訊接口 Interfaces:USB/R5485/WIFI GPRS/4G	yes/opt	yes/opt	yes/opt	yes/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