

# MAX 80~100KTL3 LV/MV



- 7 MPPTs
  - Smart diagnosis
  - high efficiency up to 99%
  - local WIFI connection
  - string monitoring
  - AC&DC type II SPD
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- 7路MPPT · 14路組串檢測
  - 智慧I/V曲線掃描
  - 最大轉換效率99%
  - 一鍵診斷和濾波
  - 交直流二級防雷
  - 全功率模組和四核芯設計

**輸入數據(直流) Input Data**

**MAX 80K LV**

**MAX 80K MV**

**MAX 90K MV**

**MAX 100K MV**

最大直流輸入功率 Max.DC power	82000W	82000W	92500W	102500W
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
直流輸入電壓範圍 PV voltage range	200V-1000V	200V-1000V	200V-1000V	200V-1000V
滿載DC工作電壓範圍 Full load DC voltage	600V-850V	685V-850V	730V-850V	730V-850V
額定電壓 Nominal voltage	600V	700V	730V	730V
各MPPT最大輸入電流 Max. input current per MPPT	25A	25A	25A	25A
MPPT數量/每路MPPT 組串數 Number of MPP trackers / strings per MPP tracker	7/2	7/2	7/2	7/2

**輸出數據(交流) Output (AC)**

額定交流輸出功率 Rated AC output power	80000W	80000W	90000W	100000W
最大交流輸出功率 Max. AC apparent power	88800VA	88800VA	100000VA	111000VA
最大交流輸出電流 Max. output current	28.8A (cos φ=0.9)	107.0A (cos φ=0.9)	115.7A (cos φ=0.9)	128.6A (cos φ=0.9)
額定輸出電壓/範圍 AC nominal voltage	230V/400V	277V/480V	288V/500V	288V/500V
額定電網頻率/範圍 AC grid frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
功率因數 (cosφ) 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%
交流連接類型 AC grid connection type	3W+N+PE	3W+PE	3W+PE	3W+PE

**效率 Efficiency**

最大效率 Max. efficiency	99.0%	99.0%	99.0%	99.0%
歐洲加權效率 Euro - eta	98.5%	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**

直流極性反接保護 DC reverse polarity protection	yes	yes	yes	yes
直流輸入開關 DC Switch	yes	yes	yes	yes
直流浪湧保護 DC Surge protection	Type II	Type II	Type II	Type II
絕緣阻抗檢測 Ground fault monitoring	yes	yes	yes	yes
交流短路保護 Output short circuit protection	yes	yes	yes	yes
輸出過壓保護 - 壓敏電阻 AC Surge protection	Type II	Type II	Type II	Type II

**常規數據 General Data**

尺寸 (寬/高/厚) mm Dimensions (W / H / D) in mm	860/600/300	860/600/300	860/600/300	860/600/300
重量 Weight	86kg	86kg	86kg	86kg
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
噪音指數 Noise emission (typical)	≤55dB(A)	≤55dB(A)	≤55dB(A)	≤55dB(A)
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
防護等級 Environmental Protection Rating	IP65	IP65	IP65	IP65
海拔高度 Altitude	4000m	4000m	4000m	4000m
相對濕度 Relative Humidity	0-100%	0-100%	0-100%	0-100%

**特點 Features**

顯示 Display	LED/WIFI+APP	LED/WIFI+APP	LED/WIFI+APP	LED/WIFI+APP
通訊介面: USB/RS485/GPRS/WIFI/4G/PLC Interfaces:USB/RS485/GPRS/WIFI/4G/PLC	yes/yes/opt/opt/opt/opt	yes/yes/opt/opt/opt/opt	yes/yes/opt/opt/opt/opt	yes/yes/opt/opt/opt/opt

**認證許可 Certificates and Approvals**

EN 61000-3, EN 61000-6, EN/IEC 62109-1, EN/IEC 62109-2, IEC 60529, NB/T 32004-2013, CGC/GF 035-2013, GB/T 19964-2012