



pvBos[®]

PV array combiner box

stringMoni[®]

您想配置一個特定的組串迴路？
 您有一個多串逆變器需要超過2極？
 您要在系統提供額外的保護例如含：保險絲、二極體？
 任何有關的具體要求的輸出入電纜截面積？
 任何特殊的連接器，例如MC或Tyco？
 您是否需要從遠程操作開關，從 PLC或外部繼電器？
 您是否想要在接地故障的情況下關閉系統？
 您是否想要串列即時監測？
 您還有任何其他的要求？
 日煬科技的直流開關箱根據您的設備訂製！

Do you want to configure a specific number of strings ?
 Do you have a multistring inverter which requires more than 2 poles ?
 Do you want to include additional protection in the systems : fuse, diodes, for example ?
 Any specific requirement about cross section of the incoming or outgoing cable ?
 Any special connector, for example MC or Tyco ?
 Do you need string monitoring ?
 Do you need to operate the switch from remote, maybe from PLC, or external relay ?
 Do you want to switch off the system in case of an earth fault ?
 Any other requirement ?
 JD Auspice customizes your junction boxes according to your installation !



單串或多串併接為一串輸出，配置IP67防水箱，
 2P 1000Vdc直流開關 1 個，直流保險絲及座 2 個(正負極各1個)，
 突波保護器 1個，適用一只追蹤器之逆變器，2~3KW用。

Single or multi-strings parallel in one output for 1MPPT tracker.
 Configure with IP67 enclosure, 2pole 1000Vdc DC disconnect
 1pc, PV fuse 2pcs, DC surge protector 1 pc, for 2~3KW PV system.



二串輸出，配置IP67防水箱，4P 1000Vdc直流開關 1 個或2P二個，
 直流保險絲及座 4 個(正負極各2個)，突波保護器 2 個，
 適用二只追蹤器之逆變器，4~6KW用或依開關電流額定適用10~25KW

Two strings combiner box for 2MPPT tracker. Configure with IP67 enclosure, 4poles 1000Vdc DC disconnect or 2pcs 2pole 1000Vdc DC disconnect, PV fuse 4pcs, DC surge protector 2 pcs, for 4~6KW PV system or for 10~25KW in according with rated current of DC disconnect switch.



二串輸出，配置IP67防水箱，4P 1000Vdc直流開關 1 個或2P二個，
 直流保險絲及座 4 個(正負極各2個)，突波保護器 1 個，
 適用二只追蹤器之逆變器，1個雷擊計數器，
 4~6KW用或依開關電流額定適用10~25KW。

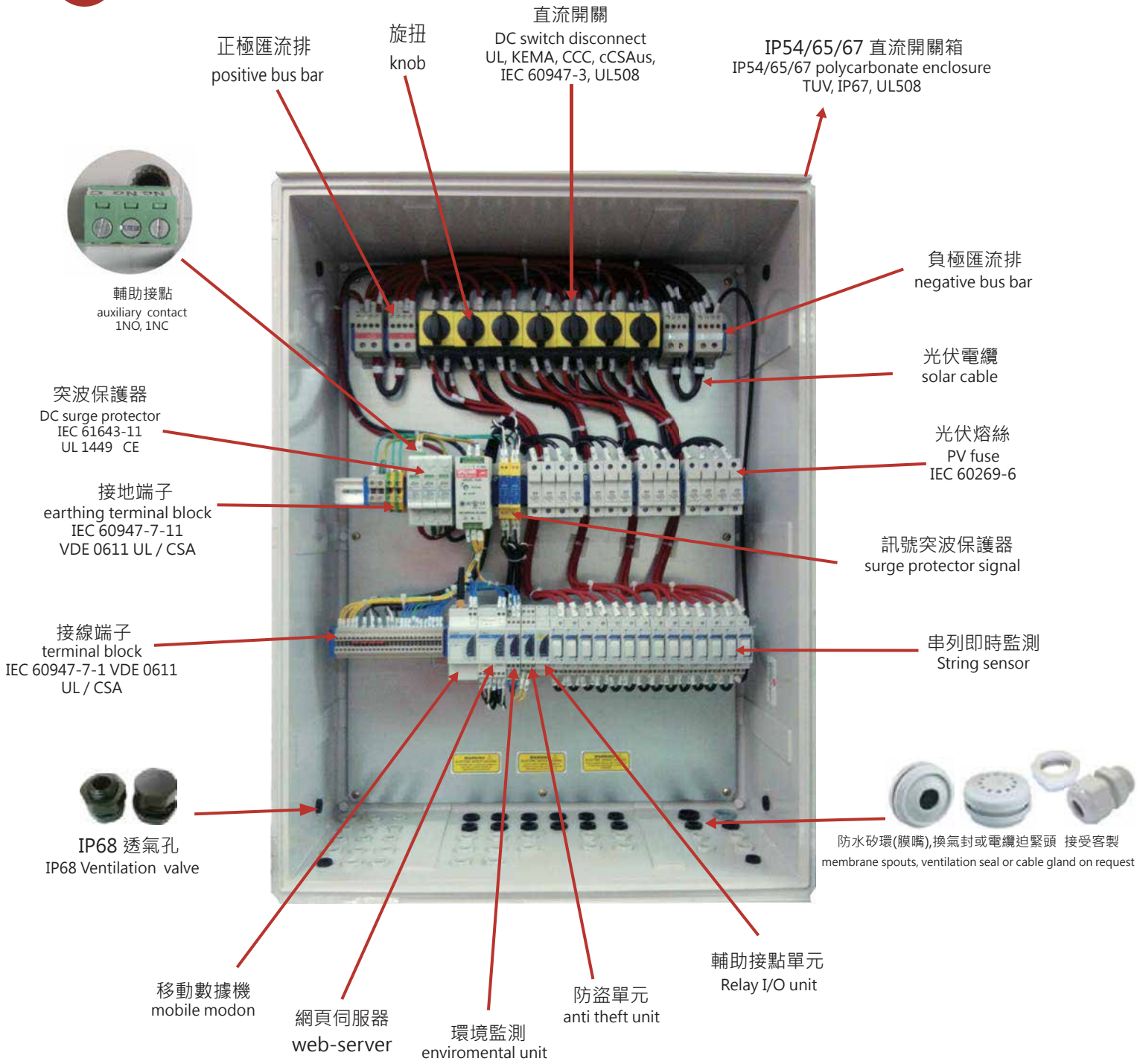
Two strings combiner box with surge counter SurgeCon for 2MPPT tracker. Configure with IP67 enclosure, 4 pole 1000Vdc DC disconnects or 2pcs 2 pole 1000Vdc DC disconnect, PV fuse 4pcs, DC surge protector 2 pcs, SurgeCon 1pc, for 4~6KW PV system or for 10~25KW in according with rated current of DC disconnect switch.



三串輸出，配置IP67防水箱，6P 1000Vdc直流開關 1 個或2P三個，
 直流保險絲及座 6個(正負極各3個)，突波保護器 3個，
 適用三只追蹤器之逆變器，6~10KW用或依開關電流額定適用10~25KW

Three strings combiner box for 3MPPT tracker. Configured with IP67 enclosure, 6 pole 1000Vdc DC disconnect or 3pcs 2poles 1000Vdc DC disconnect, PV fuse 6pcs, DC surge protector 3 pcs, for 6~10KW PV system or for 10~25KW in according with rated current of DC disconnect switch.

Note: Subject to change without any notice.



Inverter Reference



**pvBos® stringMoni®
Reference**



太陽能變流器
PV Inverter

- 加州 - 265 MW**
California
 - 南非 - 81 MW**
South Africa
 - 泰國 - 134 MW**
Thailand
 - 義大利 - 124 MW**
Italy
- and more.....**



智慧型直流匯流開關箱
pvBos® stringMoni®

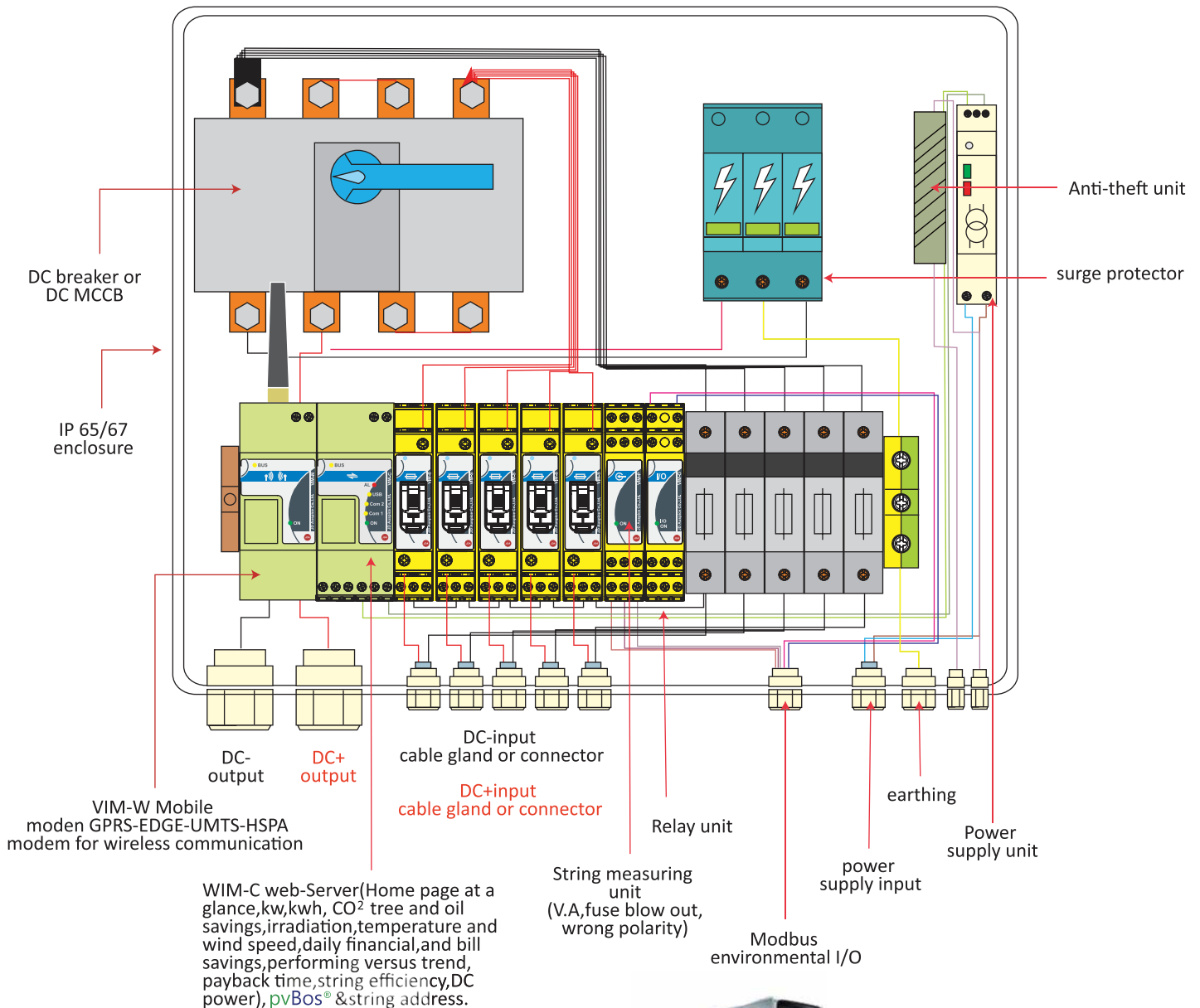
- 泰國 - 134 MW**
Thailand
 - 台灣 - 12.3 MW**
Taiwan
 - 8 MW、3 MW、1 MW**
- and more.....**

Note: Subject to change without any notice.

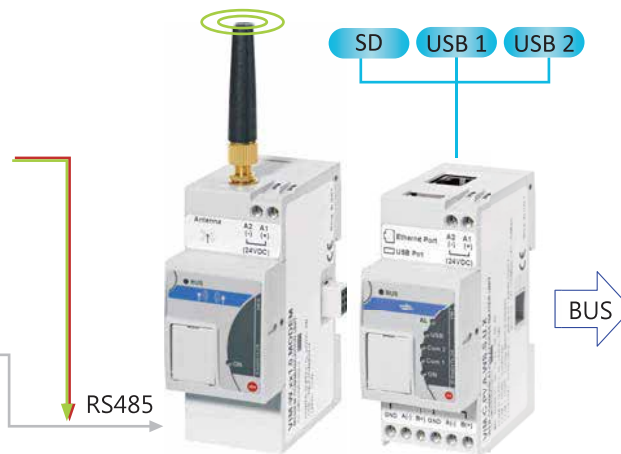
太陽能串列即時監測 stringMoni®

Management and control system for photovoltaic plants

PROTECT YOUR INVESTMENT



- Energy meter #1
- Energy meter #11
- Inverter #1
- Inverter #11
- stringMoni® #2
- stringMoni® #11



stringMoni® # 1.....11

- VIM-C (1)
- VIM-P (1)
- VIM-O (1)
- VIM-S (1 ... 15)



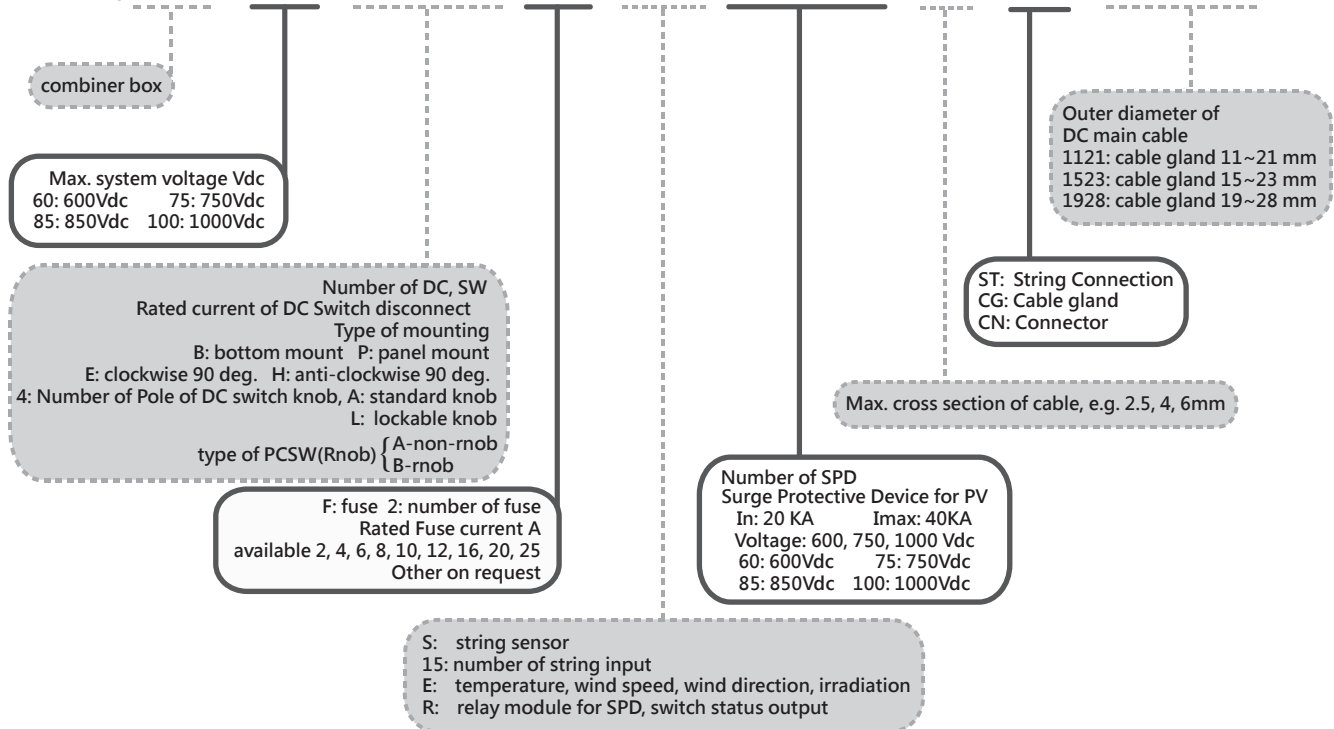
- VIM-C (1)
- VIM-P (1)
- VIM-O (1)
- VIM-S (1)
- VIM-S (2)
- VIM-S (3)
- VIM-S (4)
- ... (15)

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直流匯流箱 specification date

輸入數 input string	1	2	3	on request
輸入線徑 solar cable size	2.5 - 10mm ²			YES
輸出線徑 out port cross section	DC Switch disconnect: 2.5mm ² - 6mm ² SPD: single strand 35mm ² , multi-strand 25mm ²			YES on request
保護二極體 diode	25, 35, 40A 1200 Vdc, or 1600 Vdc			on request
保險絲 PV fuse	10A / 900 Vdc / 1000 Vdc , on request Other fuse rating 1,2,4,6,8,12,16,20,25 on request			900 / 1000 Vdc On request
突波保護器 Surge protector	600 / 1000 Vdc In 20KA , Im 40KA 8/20 μs , class II, on request higher KA			1000Vdc , In20 KA Im 40 KA class II
直流開關最大輸出電流 DC switch disconnect	2 / 4 / 6 P , 16 / 25 / 32 / 40 / 63 / 80 A other on request			Up to 1250 A
最大輸入電壓 max.input voltage	600, 750, 850, 1000 Vdc			
箱體材質 material of enclosure	ABS , PC , GRP stainless steel on request			
防護等級 IP rating	IP54 / 65 / 67			
尺寸(mm) size(mm)	300 x 400 x 180 WxHxD , other on request			YES
操作溫域 operating temp	without monitoring	DC switch disconnect: -25~+70°C SPD: -40~+80°C DC switch disconnect: -25~+70°C server: -25~+55°C string sensor: -25~+65°C at string current <10A power supply unit: for 18/30/60W, Derating (>60°C to +71°C)		
	with monitoring			
環境溫度 ambient temp	without monitoring	-25~+50°C		
	with monitoring	-25~+40°C		
認證 certificate	DC switch cCSus, UL508, KEMA, CCC, enclosure: TUV Fuse: IEC60269-6			

pvBos® - 100V - 1-16B4E -A F210 - S15ER -2-PV40/100 - C06 - STCG - ODCG 1523



- 有載隔離、箱體具防水、防塵IP54/65/67等級、蓋板採透明或非透明、門鎖及旋鈕鎖選項。
- On Load disconnect, weatherproof IP65/67, transparent or opaque cover door Lock or lockable knob available on request.

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Surge protector

LED 燈具用突波保護器 For LED Lighting Fixture



RL-MTMV-40-275



RL-MTMV-40-320



RL-MV-20-275

DC、AC signal surge protector

直交流、訊號突波保護器：具信控指示，模塊更換，ETL、IEC、CE、UL 認證



CONFORM TO UL1449
CERTIFIED TO CSA C22.2#8



D1-50/XXX-2MV-R



D3-50/XXX-4MV-R



DN-24V-1

通訊用：RS232, RS422, RS423, RS485
通號用：0/4-20mA, 0 5V, 0-10V



690.11 Arc-Fault Circuit Protection (DC).

PV systems with dc source and/or output circuits on or penetrating a building operating at a PV system maximum system voltage of 80 volts or greater shall be protected by a listed (DC) arc-fault circuit interrupter, PV type, or other system components listed to provide equivalent protection. The PV arc-fault protection means shall comply with the following requirements:

- (1) The system shall detect and interrupt arcing faults resulting from a failure in the intended continuity of a conductor, connection, module, or other system component in the direct current PV source and output circuits.
- (2) The system shall disable or disconnect one of the following:
 - a. Inverters or charge controllers connected to the fault circuit when the fault is detected
 - b. The system components within the arcing circuit
- (3) The system shall require that the disabled or disconnected equipment be manually restarted.
- (4) The system shall have an annunciator that must be manually disabled.



UL1699 B

光伏用故障電弧偵測器
PV ARC Fault Detector