

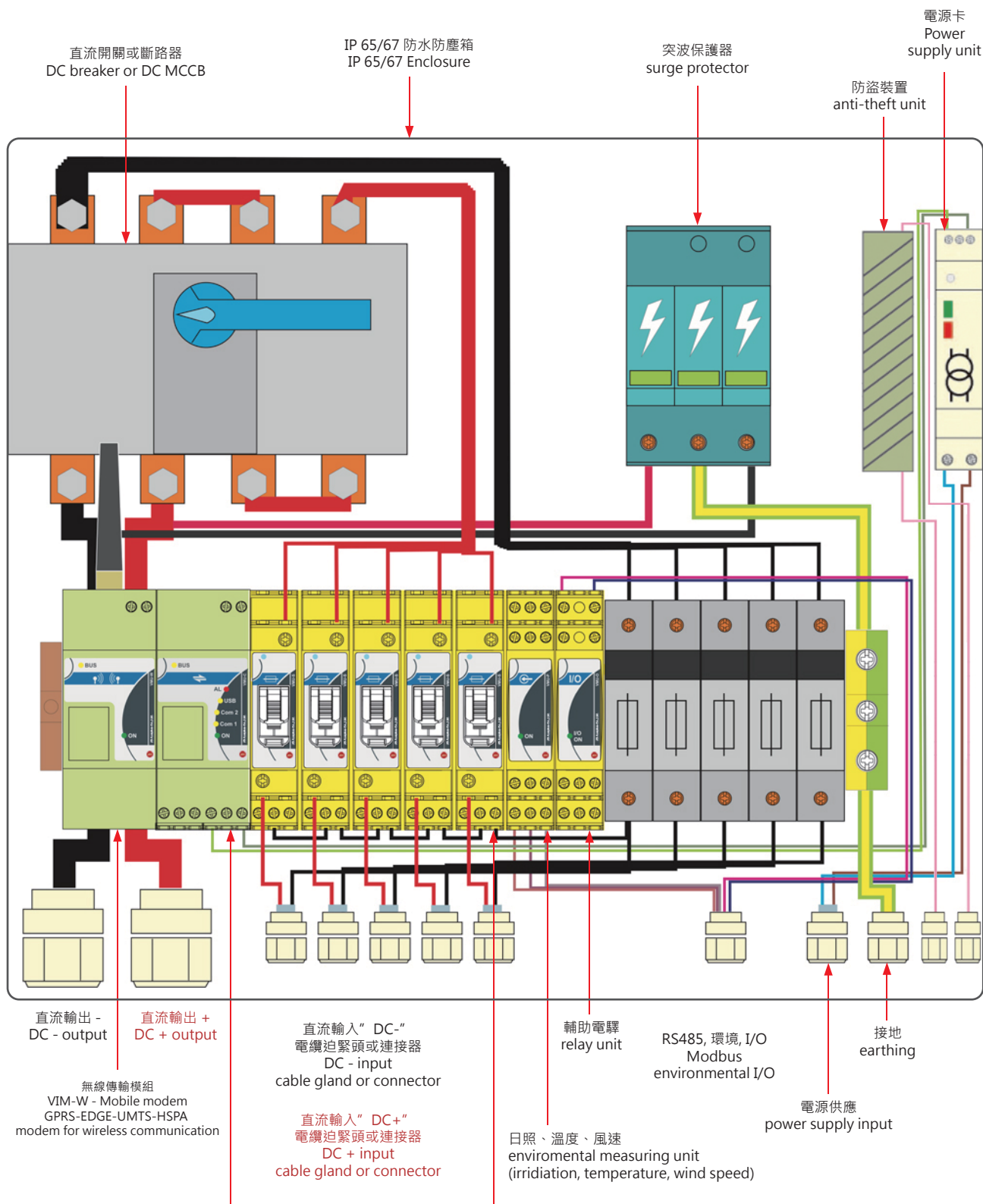


日燭科技有限公司
JD Auspice Co., Ltd

stringMoni[®]

網 頁 伺 服 器
中 英 文 型 錄





網頁伺服器：網頁、碳油排放量、節油、植樹、
顯示電壓電流功率、電度、日照、溫度、
風速、突波保護器狀態、開關狀態、發電資料收集紀錄、
RS485傳輸、財務回收資料、圖表曲線、系統效率、
單串效率、直流端每串參數及位址。
WIM-C web-Server (Home page at a glance, kW, kWh,
CO₂ tree and oil savings, irradiation, temperature and wind speed,
daily financial, total incentives and bill savings, performing versus trend,
payback time, string efficiency, DC power), pvBos™ & string address.

串列監測、V.A、絲熔斷反極性
string measuring unit
(V.A, fuse blow out, wrong polarity)

屋頂型、小 / 中 / 大型 太陽能系統專用網頁伺服器
For the Rooftop, big to small PV plants Web-Server solution



內建免費 OPC 伺服軟體、可整合符合 SCADA 的驅動程式、提供所有SCADA系統整合廠商監測資料訊息平台。

The new freeware OPC server is available for driver-less integration to SCADA.

A

VIM-C 產品規格介紹
VIM-C Functions and features

- 雲端管理
Cloud management
- 可擴充11台VIM-C 1.5KW~1MW
Each VIM-C can manage up to 11 VIM-C 1.5KW ~ 1MW
- 監測可透過有線或無線
Integrated Wired or Wireless Web-Service solution
- 監測選擇彈性
Comprehensive Monitoring Solution :
 - a. AC+INVERTER+DC每串+控制 I/O +環境儀器+防盜
AC+INVERTER+DC strings+ VIM-O(I/O unit) +VIM-P+VIM-AT
 - b. AC+INVERTER+環境儀器
AC+INVERTER+ environment variable unit
- 約30牌INVERTER內建協定
Compatibility to more than 30 different inverter
- 與 Micro PC with Web-server 及 Web service 功能相符
Micro PC with Web-server and Web service capability
- DC 端每串資料：V, A, kW, kWh 數值
DC part managed information : V, A, kW, kWh
- AC 端資料：電表V, A, kW, kWh 數值
AC part managed information : V, A, kW, kWh from energy meter
- 環境值：日照、模組溫度、大氣溫度、風速
Environment variables : sun-irradiation, cell-temperature, air- temperature and wind speed
- 可透過e-mailing及SMS自動管理警示控制
Alarms control with automatic e-mailing and SMS management
- 變流器：Vac (Vdc without VIM-S), Aac (Adc without VIM-S), kWac (kWdc without VIM-S) 警示及錯誤訊息
Inverters : VAC (VDC without VIM-S), AAC (ADC without VIM-S), kWAC (kWDC without VIM-S) and alarm and error messages
- 串列監測、BOS、PR (kWh/kWp) 三種效率的計算及控制
Efficiency calculation and control on three different levels : String, BOS and PR (kWh/kWp performance ratio)
- 資料輸出格式
CSV All data exports on CSV format
- 使用8GB SD記憶卡(選購品) · 可儲存20年資料
Data storage up to 20 years in a up to 8GB micro SD memory (not supplied)
- 輸出入埠 RS-485 x 2, USB 2.0 x 2
Communication ports RS-485 x 2, USB 2.0 x 2
- 乙太網路 x 1; 電源供應12 to 28 Vdc,
Ethernet port x 1 power supply 12 to 28 Vdc
- 軌道安裝, 保護等級 (front) : IP40
Dimensions:2-DIN modules, Protection degree (front) : IP40



VIM-C



VIM-W



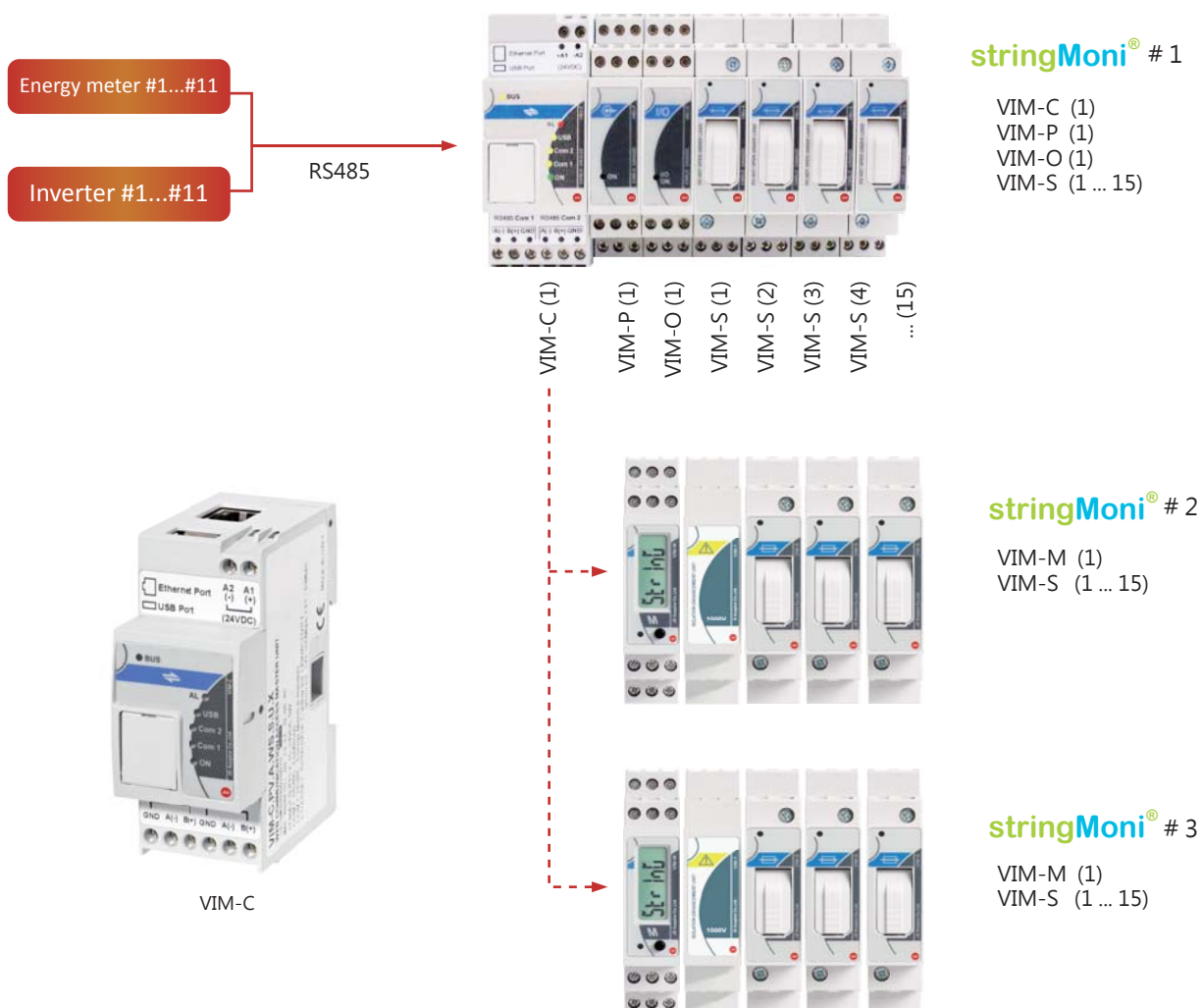
(*更多產品及規格請來電洽詢)

B、單一 VIM-C 可擴充每串監測 **stringMoni®** 監測模組數量
Each VIM-C can manage up to :

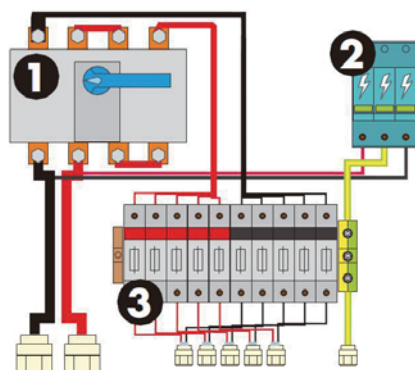
- ☑ 變流器 Inverter × 11 台
- ☑ 電表 Energy meter × 11 台
- ☑ VIM-M 資料傳輸單元 Master module and Data logger × 10 只
- ☑ VIM-S 組串量測單元 String measuring unit × 15 只
- ☑ VIM-P 溫度、日照、風速量測單元 Environment variable unit × 1 只
- ☑ VIM-O 輸出入單元 Inputs / Outputs unit × 1 只
- ☑ VIM-1 隔離卡 Isolation enhancement unit × 1 只



擴充示意圖例 Exceeding map

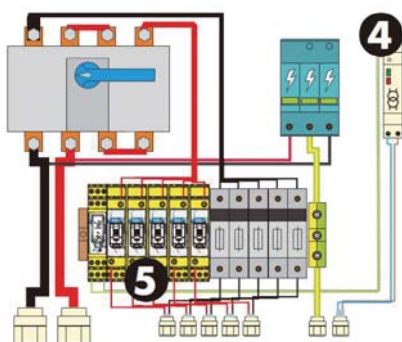


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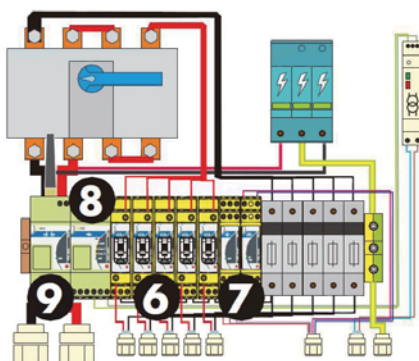
A. 直流匯流箱配置
Existing pvBos®

- ❶ 直流開關 DC switch disconnect
- ❷ 突波保護器 Surge arrester
- ❸ 保險絲座 Fuses link



B. 標準版 每串監測 stringMoni®
Retrofitted and slave unit

- ❹ 電源供應器 Power supply
- ❺ stringMoni®



C. 進階版 每串監測 stringMoni® + 網頁主機 + 無線傳輸模組
Advanced master function and Web-server capability

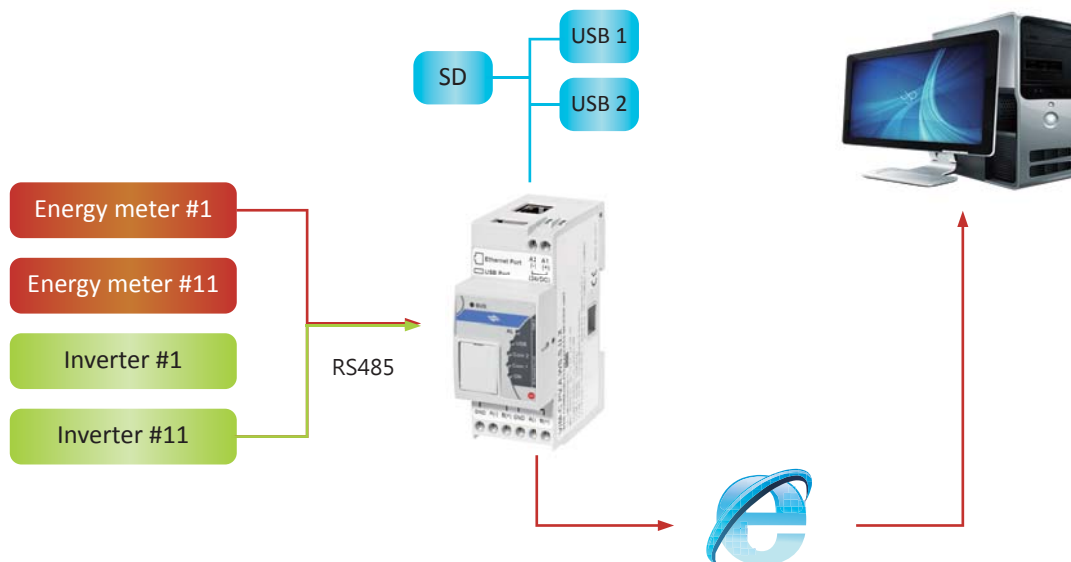
- ❻ stringMoni® 模組
- ❼ VIM-P溫度、日照、風速量測 environment unit
- ❽ VIM-O 輸出入單元 O/I unit
- ❽ VIM-C 網頁伺服器 Web-server
- ❽ VIM-W 無線傳輸模組 Mobile modem



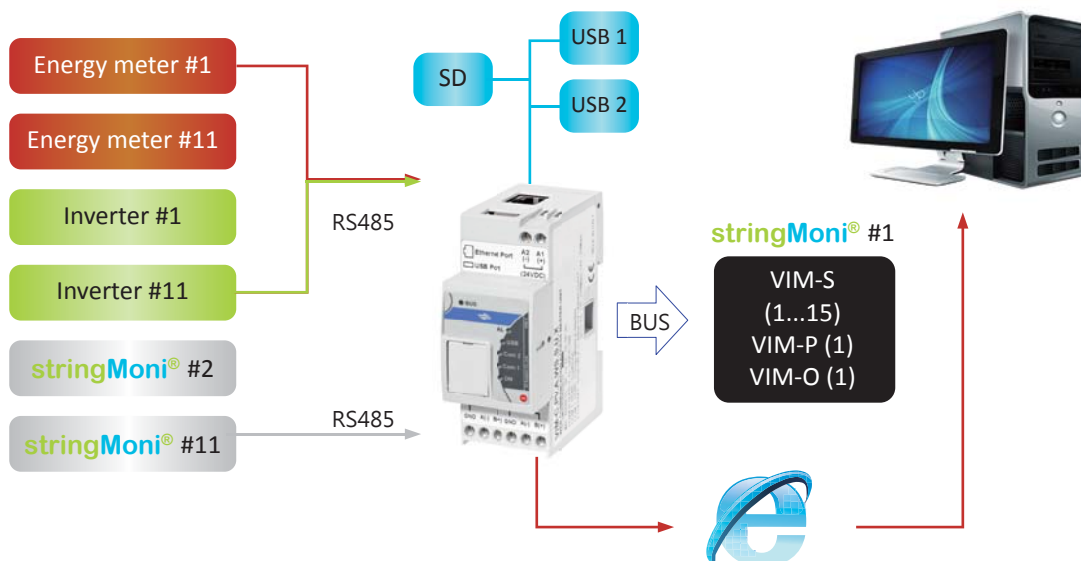
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C、VIM-C 應用方式 Web-server Comprehensive Monitoring Solution :

C.1 : VIM-C 收集AC 端 energy meter 及 Inverter 應用。
Monitoring AC Energy meter and Inverter based on VIM-C web-service



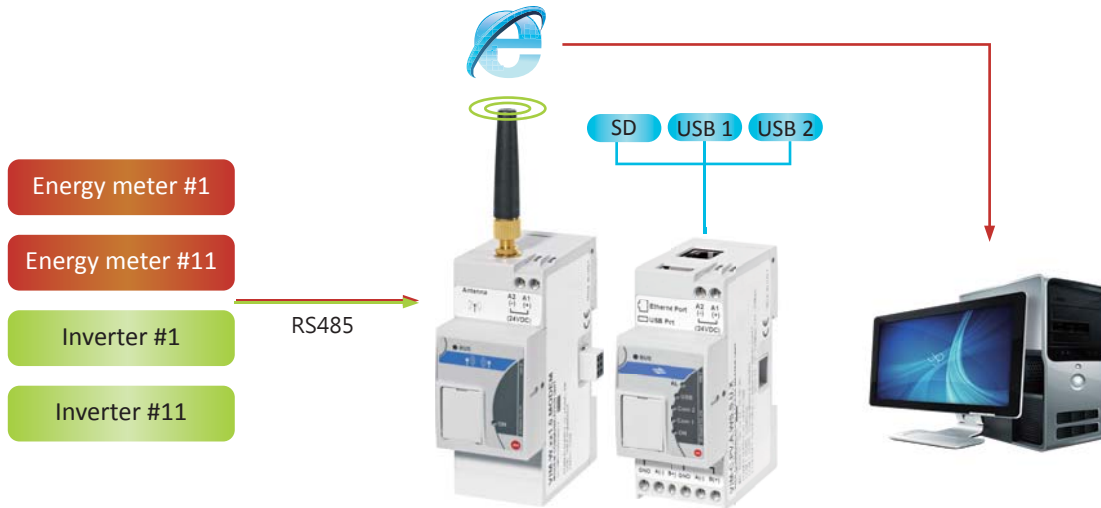
C.2 : VIM-C 搭配有線直流每串監測 **stringMoni®** 模組搭配應用 (UP To1MWp)
Monitoring solution based on VIM-C web-service with **stringMoni®** communication capability for commercial PV installations up to 1MWp.



C 、 VIM-C 應用方式 Web-server Comprehensive Monitoring Solution :

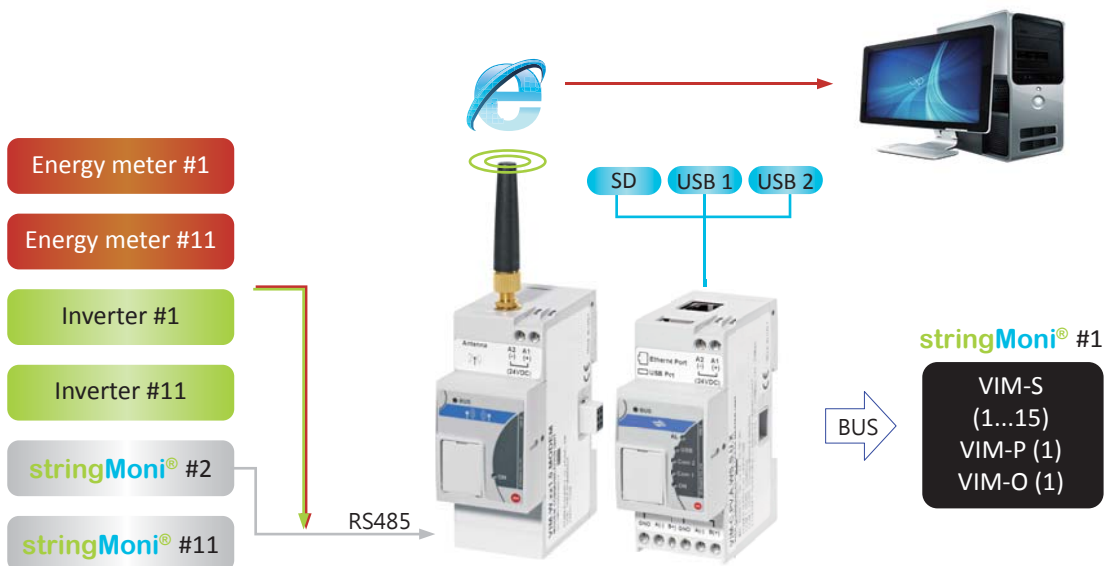
C.3 : VIM-C 與 無線傳送模組 VIM-W 搭配 · 收集AC端 energy meter 及 Inverter 應用。

Monitoring AC Energy meter and Inverter based on VIM-C web- service and VIM-W. (As in some rented roofs, wired internet is not available, VIM-W solves the problem using well spread mobile communication.



C.4 : VIM-C 與 無線傳送模組 VIM-W 搭配直流每串監測 **stringMoni®** 模組搭配應用。

Monitoring solution based on VIM-C web-service with **stringMoni®** for every string, environmental sensor and VIM-W communication capability for commercial PV installations.





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