The power behind competitiveness

Delta Gateway Solution

DelREMO V2.0

FEATURES

- Remote Monitoring via Web Portal & APP (Android / iOS)
- Partial / Zero Export Solution to Grid along with DG protection (Optional)
- LAN & GSM / GPRS Modem Inbuilt for Internet connectivity
- Connects 60 Inverters, 8 Weather Sensors & 5 Multi-Function Meters
- 8 GB inbuilt Micro SD Card for Data Backup
- Firmware Update & Download Backup data via USB drive
- Proactive Daily Yield & Alarm e-mail notification
- FTP data transfer feature to 3rd party server
- Configurable Data logging time intervals
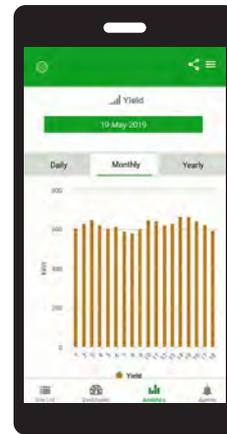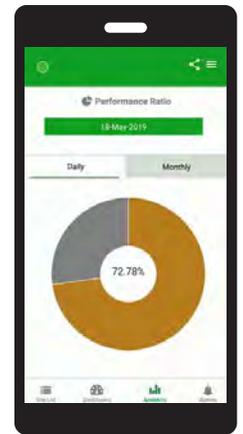- Easy Installation & Maintenance

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Monitor PV Plant Anytime, Anywhere

APP — Remote Monitoring via DelREMO App
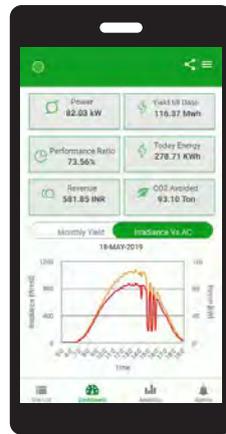
DelREMO Cloud

HomePage

Yield

Performance Ratio

Cloud — Remote Monitoring via DelREMO Web Portal

Router

LAN

Internet
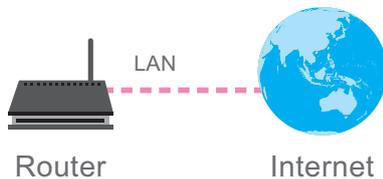
DelREMO Cloud

Energy
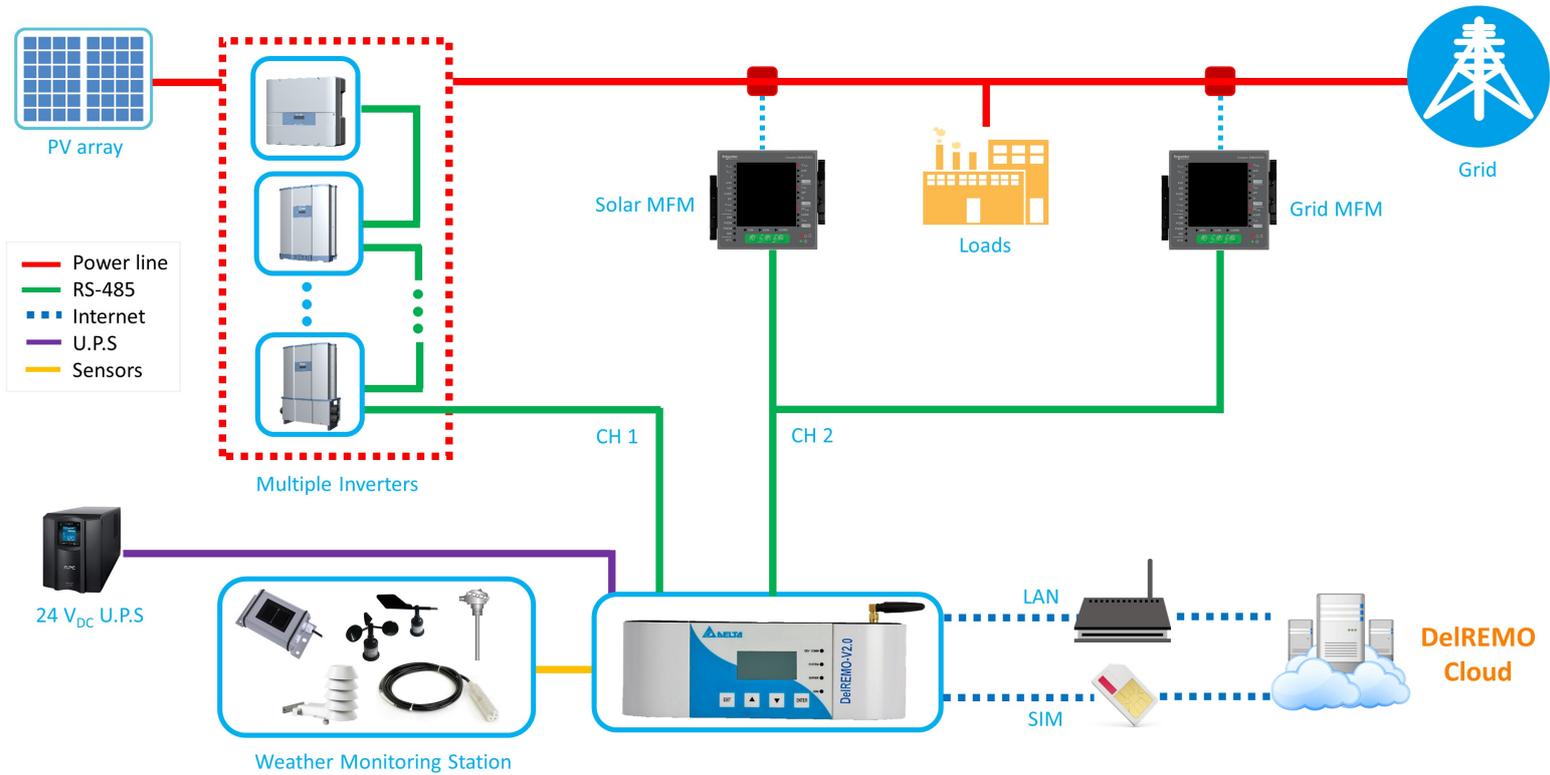
Performance Ratio

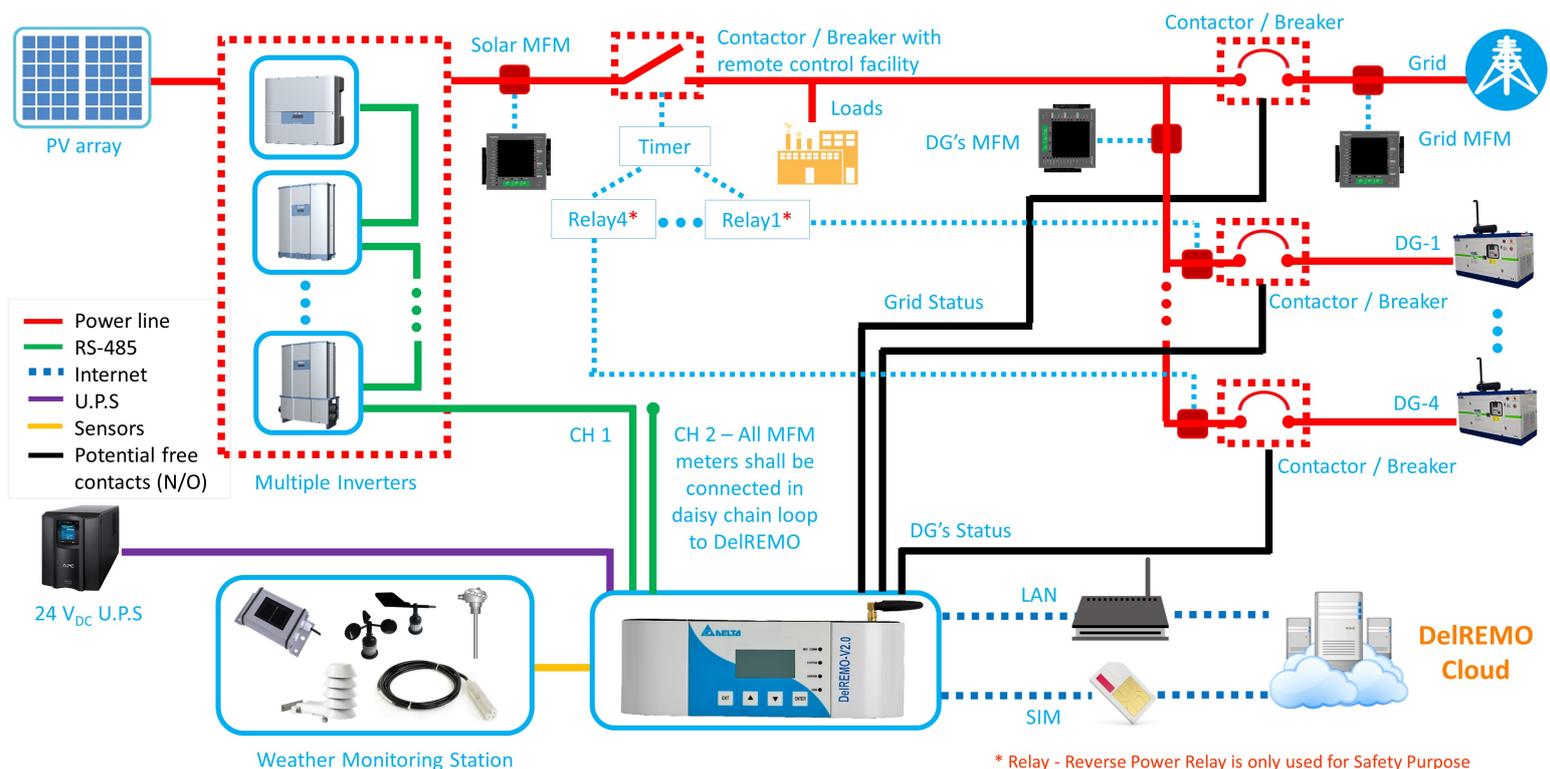**Custom Graphs & Reports**

- · DelREMO Cloud offers Home / Commerial user an Online monitoring service
- · Proactive Daily yield & Alarm e-mail notification.
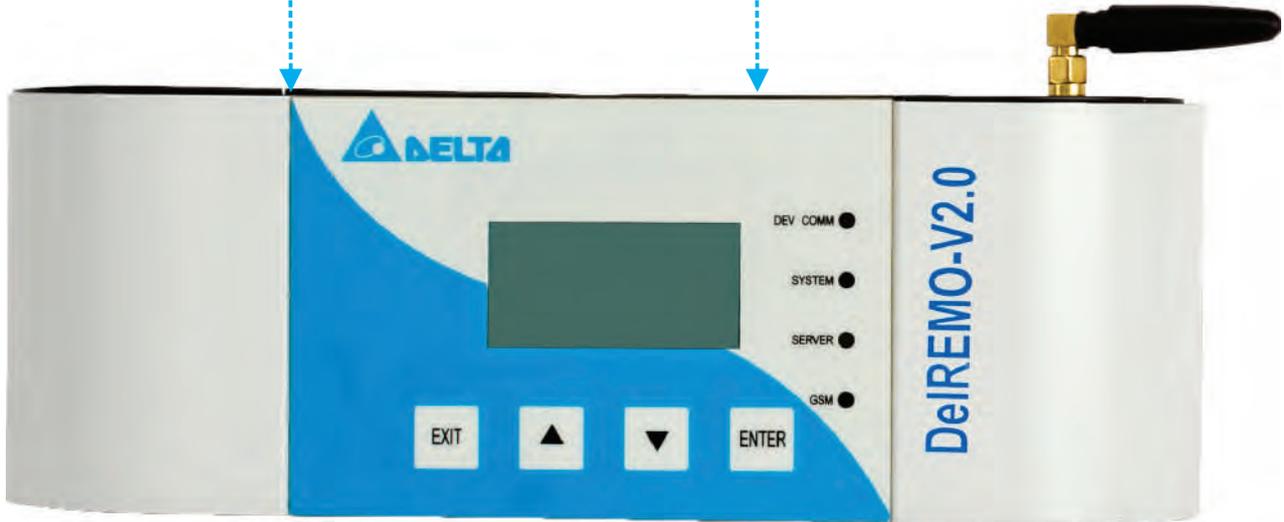
SYSTEM ARCHITECTURE

Monitoring Solution

PV array

Multiple Inverters

Power line
RS-485
Internet
U.P.S
Sensors

Solar MFM

Loads

Grid MFM

Grid

CH 1

CH 2

24 V_DC U.P.S

Weather Monitoring Station

DelREMO-V2.0

LAN

SIM

DelREMO Cloud

Monitoring + Zero Export + DG Protection (Optional)

PV array

Solar MFM

Contactor / Breaker with remote control facility

Contactor / Breaker

Grid

Grid MFM

Loads

Timer

DG's MFM

Relay4* ••• Relay1*

Grid Status

DG-1

Contactor / Breaker

Multiple Inverters

CH 1

CH 2 – All MFM meters shall be connected in daisy chain loop to DelREMO

DG-4

Contactor / Breaker

DG's Status

Power line
RS-485
Internet
U.P.S
Sensors
Potential free contacts (N/O)

24 V_DC U.P.S

Weather Monitoring Station

DelREMO-V2.0

LAN

SIM

DelREMO Cloud

* Relay - Reverse Power Relay is only used for Safety Purpose
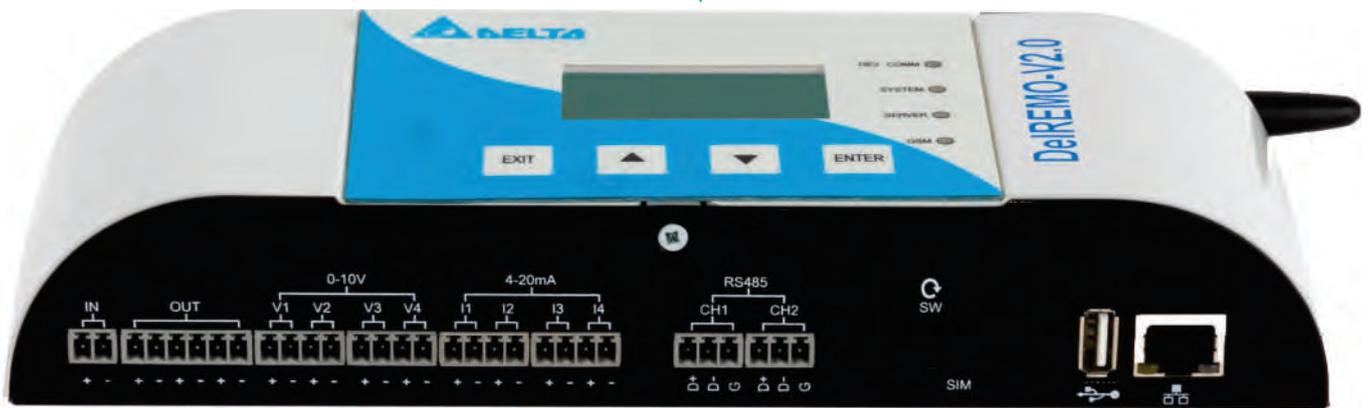
DELTA
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The All In One DelREMO V2.0

Remote Web Server

Power Management Control

Analog and Digital inputs

Sensors Connection

Inverters Connection

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SPECIFICATIONS

Power Supply	
Operating voltage range	12 ~ 24 V_{DC} (Power can be supplied via Adapter which comes along with DelREMO V2.0)
Power Consumption	9 Watts
Visualization	
Display	LCD
Display Navigation	Keypads
LED Indications	4 Status LEDs: Inverter Comm., System Ready, Server Comm., GSM Comm.
Remote Data Visualization	DelREMO Web Portal; DelREMO APP (Android / iOS)
Data logging frequency	5 Minutes (Default) ; Configurable : 10 / 15 Minutes
Communication	
Inverter Connection (Compatible Models)	2 x RS-485 channels, Up to 60 Nos. of Inverters; 30 Nos. Inverters / Channel via Daisy Chain loop
	Home Series: H3, H5; Commercial Series: M6A, M10A, M15A, M20A, M30A, M50A, M88H, M70A, M125HV; M8, M10, M12, M15, M20, M30; Utility Series: C500, C1000;
Analog Inputs[1] (Sensor Compatibility)	4 x Voltage Sensors (0 ~ 10 V); 4 x Current Sensors (4 ~ 20 mA);
	Irradiance, Module Temperature, Ambient Temperature, Wind Speed, Wind Direction, Humidity & Water Level
Meter Connection (Compatible Models)	Up to 5 Nos. Multi-Function Meters – RS-485 based
	Schneider EM 6400, Schneider EM 6400NG & Secure Elite 440
Internet Connection[2]	LAN / Ethernet connection (Static / Dynamic)
	GSM / GPRS Modem Supporting Dual Sim 2G / 3G / 4G NB-IoT (Quad band modem for 900 / 1800 / 850 / 1900 MHz)
Memory Storage	In-built 8 GB Micro SD Card for data backup
USB Slot	Yes; For downloading backup data & Uploading Firmware
Digital Inputs	Yes; 8 Nos.
Potential Free Contacts	Yes; 2 Nos. for displaying Alarm / Status events
Partial / Zero Export Control (Optional)	
Control Method	Linear Control
DG Protection	Yes
Compatible Meters[3]	Schneider EM 6400, Schneider EM 6400NG & Secure Elite 443~448; having Modbus RTU via RS 485
General Data	
Dimension (H x W x D)	84.6 x 247 x 45.5 mm
Installation	Wall Mounting
Weight	0.3 kg (Approx.)
Operating Temperature	0°C ~ 55°C
Storage and Transport	-20°C ~ +65°C
Enclosure Type	Aluminium Casing
Enclosure Rating[4]	IP 20 (Indoor)
Standard Warranty	12 Months
Note	

1. Sensors are optionally supplied upon request.
2. 4G NB-IoT Modem will be available soon.
3. Need to share the Meter Specs & Modbus Protocol for confirmation.
4. To be Installed in Indoors / IP 65 Enclosure for Outdoor Installations.
5. U.P.S for the Device is Recommended.

For Any Sales / Application Engineering Support, Please Contact :

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