



INJECT SOLAR

Generate Electricity On Your Own...

LogX_DG

Solar PV-DG Synchronisation Solution

EASY TO INSTALL

INFORMATIVE DASHBOARD

ALERT NOTIFICATIONS

MAXIMIZE PR

EFFECTIVE O & M

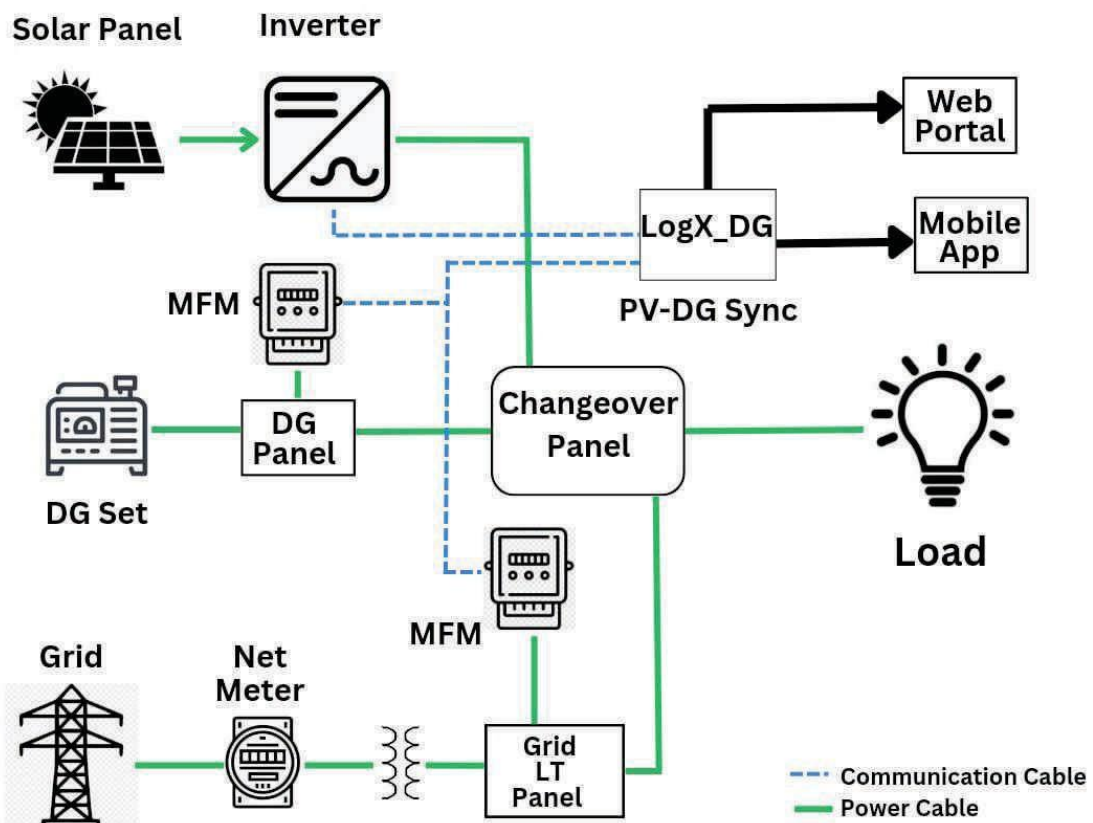
LogX_DG

4G/Wi-Fi Enabled Smart IOT Based Monitoring and controlling solution

Where to use PV-DG SYNCH solution?

1. Due to Anti-Islanding protection when grid gets disconnected solar Inverter stops Power generation.
2. If Consumer is having Diesel Generator to provide a power to Load, Using PV-DG SYNCH solution solar plant can cater partial load which will reduce load on Diesel generator and so Diesel consumption can be reduced.

PV-DG Synchronisation



How does PV-DG SYNCH solution works?

- A. PV-DG Sync Controller controls the inverter to maintain DG power at minimum 25%. Solar plant power contribution starts when load exceeds more than 25% of DG Capacity.

If DG Power > 25% of DG Capacity – PV-DG sync controller controls the Solar inverters to increase the solar generation (if available) to maintain DG Power to minimum operational percentage (25%).

if DG Power < 25% of DG Capacity- PV-DG sync controller controls the Solar inverters to minimum percentage(1%).

- B. PV-DG Synch controller understands DG power from the Energy Meter installed at DG LT panel which is been connected to PV-DG Synch controller over RS485

Requirements for installation of PV_DG SYNCH Solution?

1. LogX_DG Controller, Power Supply, Relays and IP65 Enclosure.
2. Multi-Function meter (MFM) (with RS485 communication) installed at DG LT panel.
3. Reverse Power Protection relay (RPR) at DG LT panel to provide safety against reverse power flow.
4. CAT6 communication cable between MFM and Inverters.

Compatible with following brands :



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