

REMOTE TERMINAL UNIT

INTELLO PRO+ (DG SYNC./ZERO EXPORT DEVICE)



Industry leading, microcontroller based GSM device to synchronise Solar-Grid-DG devices in conjunction.

- Records deemed energy loss due to DG usage and/or Zero Export
- Built-in Power Supply for fail-safe operation
- Graphical representation with Remote Monitoring on Intello Monitor

INTELLO PRO+

(DG SYNC./ZERO EXPORT DEVICE)

INTELLO DG/GRID MANAGEMENT SYSTEM

Intello DG/Grid Management System has an inbuilt Remote Monitoring System that not only monitors the performance of the solar plant but also Synchronises its Active Power output with Grid and/or DG from the same device.

How does Intello Pro+ work with DG?

For synchronizing PV plant (solar) with DG, Intello Pro+ is set at a Minimum Spinning load which is 30% of rated DG capacity.

Min. Spinning Load of 30% rated capacity is achieved to prevent the DG Set from engine exhaust slobber, which is also known as exhaust manifold slobber or wet stacking. Running at high idle with little or no load reduces the heat in the cylinder, allowing unburned fuel and oil deposits to leak through the exhaust slip joints.

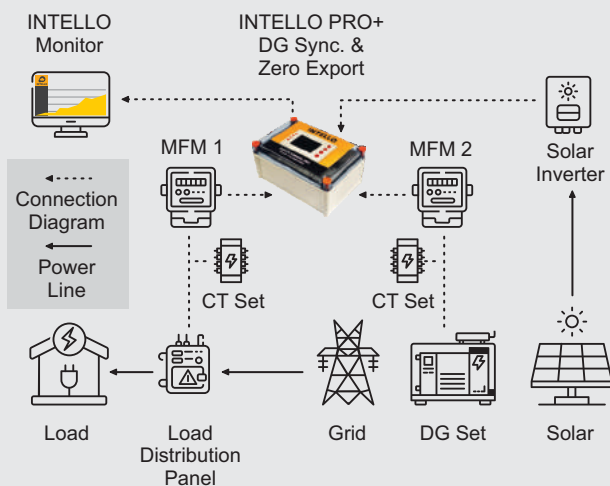
Solar-DG Synchronization Procedure:

Step 1 : Installation of an Energy Meter with CT set at the coupling point of DG and Load. This procedure helps measure the power drawn from DG.

Step 2 : Connect the Energy Meter with Intello Pro+ through RS485 Communication cable.

Step 3 : Connect the Solar Inverter with Intello Pro+ through RS485 Communication cable.

Step 4 : To Monitor all System parameters of PV plant, insert GSM SIM.



How does it work with load for Zero Export?

In order to prevent the Export of Solar Power to Grid (In absence of Net Metering), Intello Pro+ is used to sync solar with the grid. Solar only takes the reference voltage from the grid and prevents power export.

For synchronizing PV plant (solar) with load to prevent Grid Export, Intello Pro+ ensures real time power control that reduces the solar production as per the Active load. Intello Pro+ ensures that the inverter doesn't trip and no reverse feed-in is sent back to the grid.

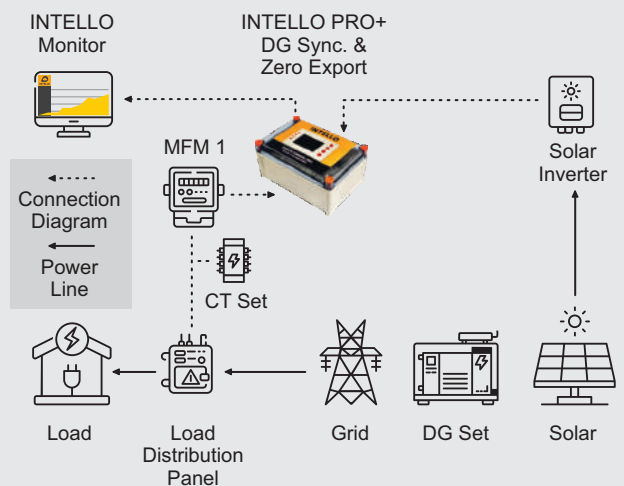
Solar-Zero Export Installation Procedure:

Step 1 : Installation of an Energy Meter with CT set at the coupling point of Load. This procedure helps measure the Active power.

Step 2 : Connect the Energy Meter with Intello Pro+ through RS485 Communication cable.

Step 3 : Connect the Solar Inverter with Intello Pro+ through RS485 Communication cable.

Step 4 : To Monitor all System parameters of PV plant, insert GSM SIM.



- Product Warranty : One (1) Year
- Box dimensions : 245 X 164 X 140 (L x W x H)
- Ingress Protection : IP65
- Flammability Test : UP94

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