



Inject Renewables Pvt Ltd, Address: 401-402, 4th Floor, Manik Padma Smruti, Lalit Estate, Baner, Pune.

Technical Datasheet

Device: RMS /ZE/PVDG

1. Electrical Specifications

Parameter	Specification
Input Supply Voltage	7–12 V
Current Consumption	< 1 A
Power Consumption	< 5 W

2. Communication

Parameter	Specification
Network Type	4G / Wi-Fi
GSM Frequency Band	850 / 900 / 1800 / 1900 MHz
SIM Card Type	Mini SIM
Data Logging Interval	1 to 15 minutes

3. Interface

Parameter	Specification
Communication Protocol	RS-485 MODBUS RTU
Interface Type	RS-485 (2-wire)
Baud Rate	9600
Max. No. of Inverters Supported	05 / 10 / 20 / 30 (configurable)
Compatible Devices	Inverters, Energy Meters, String Monitoring Cards, Sensors

4. Sensors

Parameter	Specification
Sensor Inputs	4 Analog & 4 Digital
Sensor Output Types	4–20 mA or 0–10 V
Auxiliary Supply	12V or 24V

5. Memory

Parameter	Specification
EEPROM	Stores data for 2 days in case of GPRS disconnection
SD Card Support	32 GB

6. LED Indications

- Power
- Server Connection
- Modbus Connection
- 4G Network

7. Protection Features

- Reverse Current Protection
- Isolated RS-485 Transceivers

8. Operating Conditions

Parameter	Specification
Ambient Temperature	0°C to +50°C
Humidity	0–90% RH (non-condensing)

9. Mechanical Specifications

Parameter	Specification
Dimensions (L×W×H)	110 mm × 90 mm × 72.5 mm
Enclosure Protection	IP50

Address- INJECT RENEWABLES PVT LTD
401-402, 4th Floor, Manik-Padma Smruti Building, Lalit Estate, Baner, Pune,
Maharashtra, India-411045