

Features:

- ▶ Prepaid/Postpaid Direct Energy Metering
- ▶ Dual Source Energy Metering (Utility/Genset)
- ▶ Upto 8 Slots Of Time Of Day (TOD) Energy Monitoring
- ▶ Tamper Event Detection And Logging



Advantages & Applications:

- ▶ Prepaid meters Are Used For Real-time Monitoring And Management Of Energy Consumption In Homes And Apartments.
- ▶ They Provide Data To Consumers To Reduce Their Energy Usage And Lower Their Bills.
- ▶ The Meters Provide Real-time Energy Consumption Data That Helps Energy Providers Balance Energy Demand And Supply, Avoid Power Outages, And Optimize Grid Efficiency.

Technical Specifications- Smart Meter

Connection Type	3-Phase,4-wire AC Static Energy Meter
LED Indicators	LED Pulse imp/kWh For Energy Parameters
Anti-Tamper Features	Current Reversal, Phase Missing, Top Cover Open, Magnetic Temper
Backup Power	Internal Rechargeable Super Capacitor
Ingress Protection	IP 51
Standards	IS 13779, IS 16444, IS 15959, IEC62052-11
Others Features	Maximum Demand, Time Of Day, Load Control For Power Connect / Disconnect, Over Voltage, Over kVA

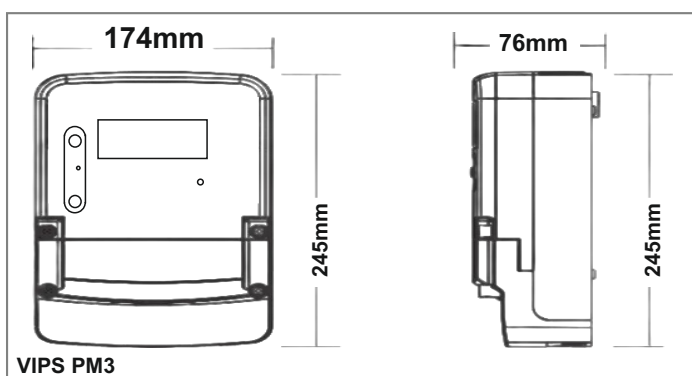
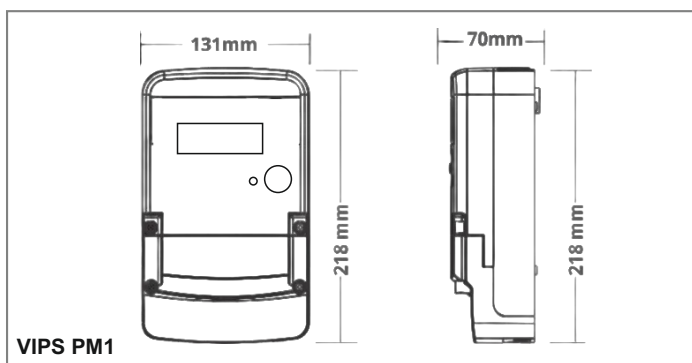
Technical Specifications- Prepaid Meter

Accuracy	Class 1.0
Sensing/M Measurement	True RMS, 1Sec Update Time. 2 Quadrant Power &Energy
Input Current	Whole Current 10/60A, Starting Current 0.4%Of Basic Current
Input Voltage	3 X 240V (P-N) (-40%to + 20%) 415VLL
Input Frequency	45 - 65Hz
Display Resolution	1 row, 6 Digits, (Integrated 6 Digits) 10mm, LCD
Display Mode	Auto Scroll, Push Button
Communication	RF, GPRS, Rs485
Operating Temp	-10°C to +55°C
Ingress Protection	IP 51
LED Indication	Pulses LED For kWh
Relay	For Load Disconnection

Energy & Power Monitoring

- 4 quadrant Import / Export direct metering and prepayment based disconnection functionality.
- Average maximum demand measurements at interval time of 30 minutes, along with the date and time of occurrence.
- Intelligent disconnection mechanism for protection against high voltages or for controlling loads on genset/utility.
- Instantaneous measurements of electrical parameters and in-built historical data recording of load profile for 30 days.
- Tamper event detection along with historical log.
- LED output for on-field accuracy testing, based on impulses/kWh.
- Energy reading Display in the absence of mains, using internal battery.
- Remote meter reading over RS485 interface or through optical port

Dimensions



Revenue Management

- Low credit alert alerts via SMS and email notification.
- Non-disconnection of power during holidays or non-working hours.
- Negative credit as an emergency function during zero balance.
- Payment options for consumer - online gateways / offline transactions.
- Multiple Tariff options - Fixed/maintenance charges, slab tariff & sourcewise tariff .
- Online meter readings & easy utility billing eliminating manual readings and human errors.
- Single-click tariff updates over an entire network from a remote / centralized location.
- Recharge history along with the payment mode.