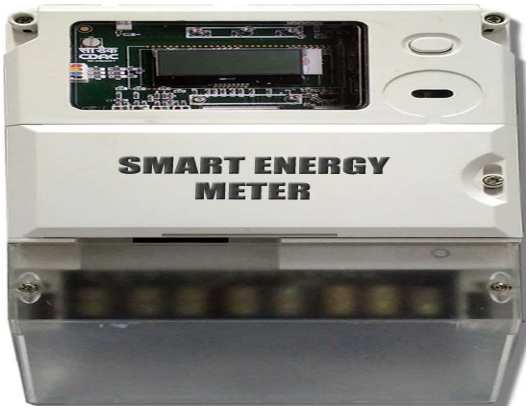
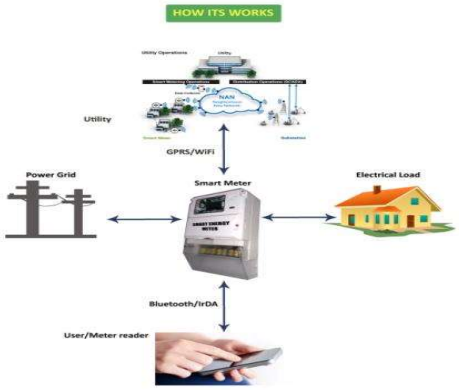
# Smart Energy Meter



## Brief Description

This product is designed for Smart Energy Metering for Indian Power Network. These energy meters are based on Indian standards and suitable for Advanced Metering Infrastructure (AMI) and are compatible with Smart Grid Communication Technologies and supports Distributed Generation (DG).




## Main uses and domain

For installation at consumer sites like homes, offices, factories etc
Domain: Energy metering

## Features and Technical Specifications

TECHNICAL FEATURES

Forwarded metering / Net metering - To help consumers to get payment for the energy generated by them through solar power plants or other distributed generation methods

Open protocol (DLMS) Device Language Message specification, a generalized concept for abstract modeling of communication entities, used for meter communication

Integrated communication module Configurable for GSM-GPRS/Wi-Fi, IrDA/Bluetooth

Remote firmware upgrades

Algorithms Contains algorithms for energy calculation and management, theft detection, data logging etc. Remote load connect / disconnect facility

Anti-tamper- Anti tamper and fraud detection will be done immediately

Security - Password protected user login and parameter settings

SPECIFICATIONS - Single Phase/ Three Phase

- Connection Type : 2 wire (Single phase), 4 wire (Three phase) direct connection
- Standards : IS 16444, IS 15959(1), IS 15959(2)
- Metrology Accuracy : Class 1

- Rated Current : For Single phase- Ib (Imax)A = 5(30)A , withstands 120% Imax. For three phase- Ib (Imax)A = 10(60)A, withstands 120% Imax
- Rated Voltage : 240 V (-40% to +20%) Single Phase
- Starting Current : 0.2% Ib\
- Frequency : 50 Hz +-5%
- Load Contactor : Latching relays
- Display : LCD
- LED indicators : Line, Tamper, Export, kWh
- Communication port/methods : GSM-GPRS/WiFi
- Communication protocol : DLMS COSEM

## Platform required(if any)

N.A.

Download Brochure

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