

# Smart Energy Meters for MASS HOUSING

## Introduction

Smart Energy meters developed by CSIR-CSIO are digital electricity meters built around low cost AVR Microcontroller. It supports Post-paid & Prepaid electricity billing system which can facilitate improved cash flow management in energy utilities. These energy meters can be connected in wireless network to communicate all the measured parameters using Wi-Fi, GSM protocols. These meters are incorporated with Anti-Tampering features. It can avoid the problems associated with billing, electricity thefts & deployment of man power for taking meter readings.

## Features

Low Income Group (LIG)	Middle Income Group (MIG)	High Income Group (HIG)
<ul style="list-style-type: none"><li>▪ Single Phase (5-30A)</li><li>▪ Class 1 Accuracy,</li><li>▪ TFT Display</li><li>▪ Wi-Fi &amp; GSM Enabled</li><li>▪ Networking through OS Server suitable for Mass Housing</li></ul>	<ul style="list-style-type: none"><li>▪ Three Phase (5-40A)</li><li>▪ Class 1 Accuracy</li><li>▪ TFT Display</li><li>▪ Wi-Fi &amp; GSM Enabled</li><li>▪ Networking through OS Server suitable for Mass Housing</li></ul>	<ul style="list-style-type: none"><li>▪ Three Phase (5-60A)</li><li>▪ Smart Water, Electricity &amp; Gas (WEG) Metering</li><li>▪ Class 1 Accuracy</li><li>▪ TFT Display</li><li>▪ Wi-Fi, GSM &amp; Bluetooth Enabled (with Appliance Control)</li><li>▪ Networking through OS Server suitable for Mass Housing</li></ul>

## Merits

- Less human involvement
- Cost flow management
- Minimizes tampering and thefts
- Saves overall time

## Applications

- Residential House
- Special Functions
- Any domestic applications



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