

# Smart Energy Meter

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**Abstract:** India uses electromechanical electricity meters, but considers the drawbacks of electricity theft, meter reading errors, billing, and consumers hesitating to pay utility bills on time. Therefore, such systems are being replaced by more sophisticated and accurate digital and electronic gauges. This paper proposes a new methodology for implementing a control-based global system for mobile communication networks (GSMs) to integrate prepaid metering system setup and remote load control. This provides a secure smart card solution for new types of prepaid power systems. It aims to reduce the number of utility bill obstacles using smart card technology. The LCD display is used to show the amount of energy consumed. Users can replenish the counter as needed by sending an SMS to the server. Users must make the first replenishment to address the issue of unpaid invoices and human error in invoices. This ultimately guarantees a legitimate return.

**Keywords:** Smart meter, GSM, Safety control, SMS, AMR, PC, Theft Control, etc

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