



How It Works?

The system comprises the CoolWave EMS hardware and web based back end software. Our robust hardware based on the CoolWave data acquisition platform captures data from the Energy Meter and sends the data to the back end web server via GPRS link. Data is stored in a database for future analysis and billing purpose

Block Diagram



Meters Created

Features

- ✚ Large LCD display for Power consumption details
- ✚ Centralized networking of energy meters.
- ✚ Usage History - Hourly, daily, Monthly.
- ✚ RS-485 and RS-232 communication
- ✚ GPRS Class B operation
- ✚ Robust and reliable.15KV ESD protection on all interfaces
- ✚ Modular design enabling easy customization
- ✚ Web based Energy monitoring using authenticated user login accounts internet
- ✚ Comprehensive report generation.
- ✚ Automated Electricity Bill Generation to save manual meter reading effort (Optional)
- ✚ Real time Analysis/Trends of power consumption.
- ✚ Low balance SMS notification.
- ✚ Bright LCD display on the device for Payment and Power consumption details
- ✚ Effective data back-up mechanism and automatic restoration.
- ✚ Remote monitoring of device fault
- ✚ Modular and customizable software backend
- ✚ Single hardware interfacing with up to 30 energy meters

No	Meter ID	Organization	Meter Status	Bus Bar Status	Prepaid Status	Total Units Consumed	Balance Amount	Bill
1	INF001	Ad Hoc	Up	Enabled	Disabled	918	9523	Generate Bill
2	INF002	Deep Thought Systems	Down	Enabled	Enabled	12569	653	Generate Bill
3	INF003	Deep Thought Systems	Down	Enabled	Enabled	5986	1253	Generate Bill

Web Features

