



KEY FEATURES

- Web-based Monitoring Interface: Access device status through a specific IP address; adjustable IP settings, subnet, gateway, DNS, and server IP:Port.
- Real-Time Sensor Readings: AC voltage, DC battery voltage monitoring, temperature and humidity sensing, door open/close detection.
- Configurable Alerts: Set thresholds for temperature, humidity, DC voltage, and AC voltage; instant on-screen alerts when limits are exceeded.
- Easy Configuration: All network and alert parameters can be modified from the web server page.

HARDWARE SPECIFICATIONS

Component	Function
Main Controller & Ethernet	Microcontroller with integrated Ethernet port
AC Voltage Sensor	Measures AC output voltage
Temperature & Humidity Sensor	Monitors ambient temperature and humidity
Door Status Switch	Detects door open/close state

ELECTRICAL SPECIFICATIONS

Parameter	Range/Value
Operating Voltage	5V – 28V DC
AC Voltage Range	0V – 250V AC
Temperature Range	0°C – 70°C
Humidity Range	20% – 90% RH
Power Consumption	< 2W
Ethernet	10/100 Mbps

SOFTWARE & INTERFACE

- Web Server Interface.
- Configurable Parameters: Device IP Address, Subnet, Gateway, DNS, Server IP:Port; alert thresholds for temperature, humidity, AC voltage, DC voltage
- Door Status Display: Open/Closed status in real-time
- Alert Display: Visual alert banner for exceeded thresholds

TYPICAL APPLICATIONS

- AC output monitoring
- Battery voltage monitoring
- Remote environmental monitoring for equipment rooms
- Door state monitoring

BENEFITS

- Centralized monitoring of grid power and battery voltage
- Customizable alerts for proactive maintenance
- Accessible from anywhere in the network via IP address
- Simple installation and setup

