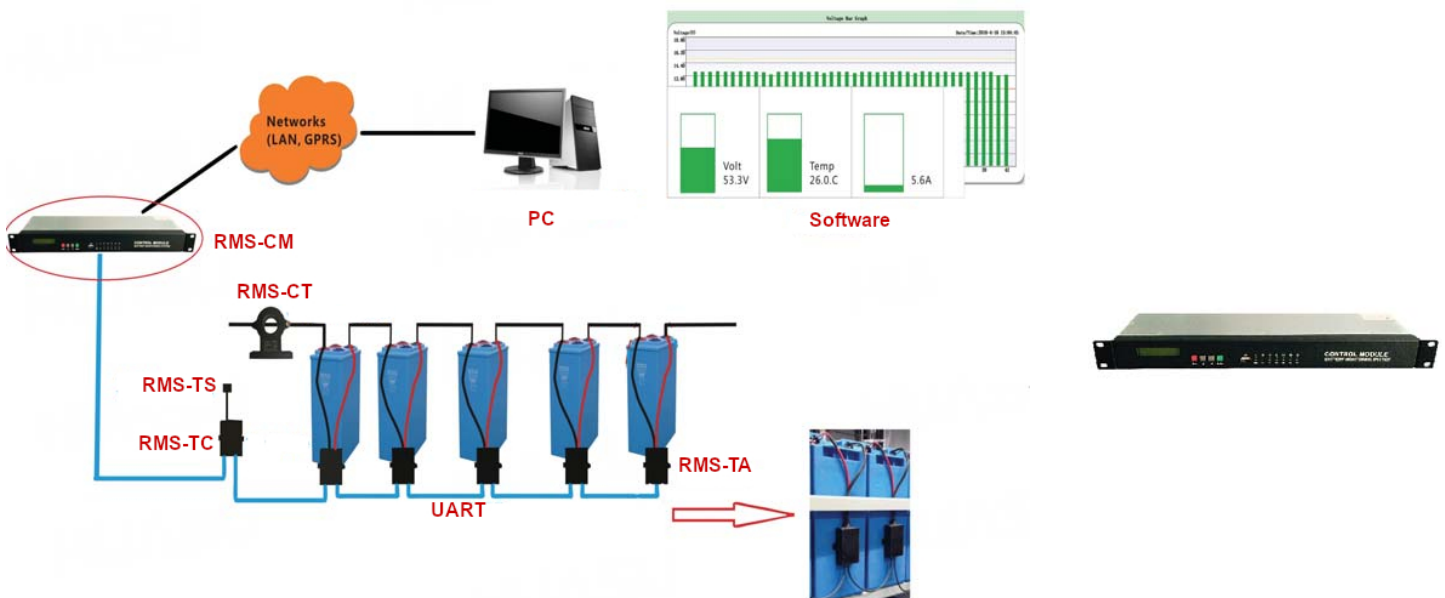## OVERVIEW

The RMS-CM control module is a front-end module data collection device using ARM technology for comprehensive data processing and communication. RMS-CM can manage up to 6 battery strings and meets Modbus/RTU and SNMP specifications.

- Collects front end sensor data, analyzes, stores and uploads the data
- Manages max. 6 strings
- Software monitors battery state 24/7
- Keyboard and LCD display allow user to set parameters and query data directly
- Meets Modbus/RTU and SNMP specifications

FEATURES

- Reads data from battery sensors. Processes, analyzes, stores and uploads data

- Auto-analyzes battery state and identifies cells requiring replacement or maintenance

- Capacity to store historical data

- Flashing alarm indicator on front panel with details shown on LCD display

- With keyboard and LCD display

- RS485, Ethernet Port, meets Modbus/RTU, Modbus/TCP and SNMP specifications

- PC software is available for management of multiple strings, real-time querying and historical data

- Supports local and remote updates

- PC software available for management of multiple strings, real time querying and historical data

SPECIFICATIONS

Environmental
Operating temperature: -5°C~50°C, 5%~90%RH
Storage temperature: -10°C~70°C, 5%~90%RH
Atmospheric pressure: 80~110kPa

Performance
Max: manage up to 6 strings
Max: up to 300 batteries per string
Max: monitor 960 batteries

Usage
2V, 6V or 12V batteries, capacity less than 3500AH

Power Requirements
85~264VAC, DC48V(36-72VDC)   110V~370VDC, 15W

Protection
Overcurrent protection; 0.4A fuse

Measurement Range & Accuracy
String voltage: 20~800V, ±(0.5%+0.2V)
Cell voltage: 1.5~2.5V, ±(0.1%+1mV)
    3.5-7.5V, ±(0.1%+10mV)
    9~15V, ±(0.1%+10mV)
Internal resistance: 50~65535uΩ (±2%)
Battery temperature: -5°C~99.9°C, ±1°C
String current: 0~1000A, ±1% (Full scale)

Installation
On battery rack or in 19-inch cabinet

Communications Interfaces
RS485, Ethernet Port, meets Modbus/RTU, Modbus/TCP and SNMP specifications
Insulation: 2000VAC

Dry Contact
1 dry contact, DC220V/1A

Durability
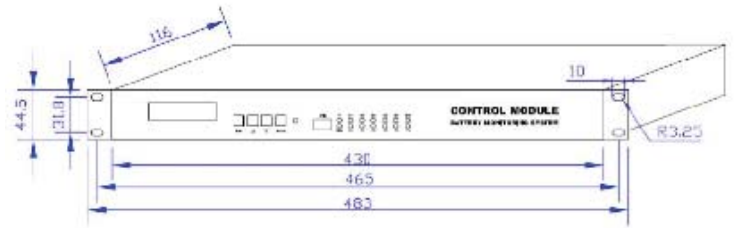MTBF 100,000 hours

Weight
CM module: 1.8Kg

Standards
CE
ROHS
UL61010-1

DIMENSIONS

(Unit: mm)

OPTIONS

1. Software
   PC software available for data retrieval from RMS-CM and management of multiple strings, real time querying and historical data.

APPLICATIONS

- UPS
- Telecommunications
- Battery supplied applications
- Utilities
- Fire & Safety systems
- Remote monitoring