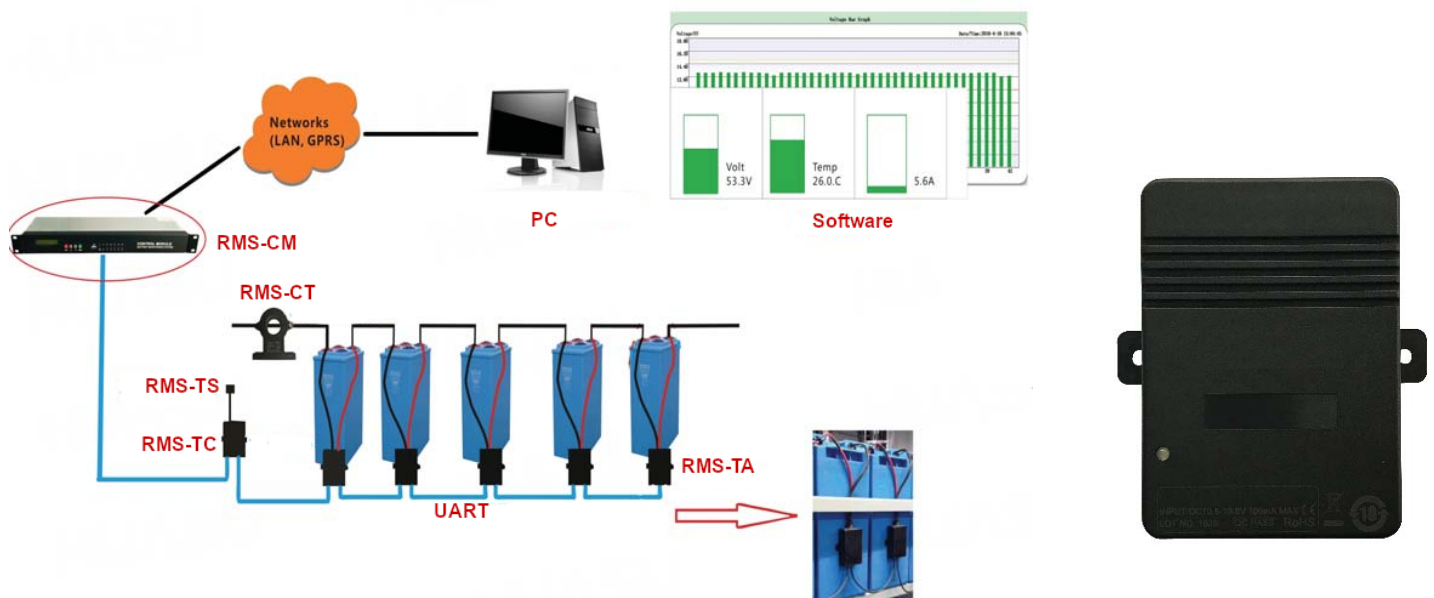


### OVERVIEW

The RMS-TC module is designed to monitor string current and ambient temperature, with a user-friendly installation.

- 24/7 online monitoring
- Monitors single string current and ambient temperature
- Optoelectronic isolation function, supports Modbus/RTU specification
- User-friendly installation



### FEATURES

- Monitors string current and ambient temperature
- Monitors and displays charge/discharge current
- High precision and stable temperature monitoring, accurate to 1°C
- UART PORT, supports RS485 using a converter
- Meets Modbus specification
- Power with reverse polarity protection

## 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

Monitors single string current and ambient temperature

### Monitoring Range

0-1000A (2000A optional); -5°C~99.9°C±1°C

### Power Requirements

DC 8~13V, 1W

### Protection

Fused power circuit and measurement circuit

### Measurement Range & Accuracy

Charge/discharge: 0~1000A, ±1%  
Ambient temperature: -5°C~99°C ±1°C

### Installation

Mount on battery or DIN rail

### Communications Interface

RMS-TC module: meets MODBUS

### Insulation

2000 VAC

### Durability

MTBF: 100,000 hours

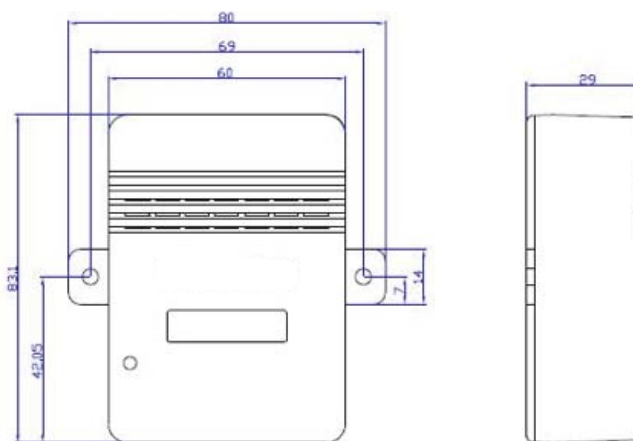
### Weight

TC module: 75g

### Standards

CE  
ROHS  
UL61010-1

## DIMENSIONS



(Unit: mm)

## OPTIONS

### RMS-TC-500

Monitoring 1 point ambient temperature and 1 charge/discharge current (Max: 1000A)

### RMS-TC-1000

Monitoring 1 point ambient temperature and 1 charge/discharge current (Max: 2000A)

## APPLICATIONS

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