

TC module

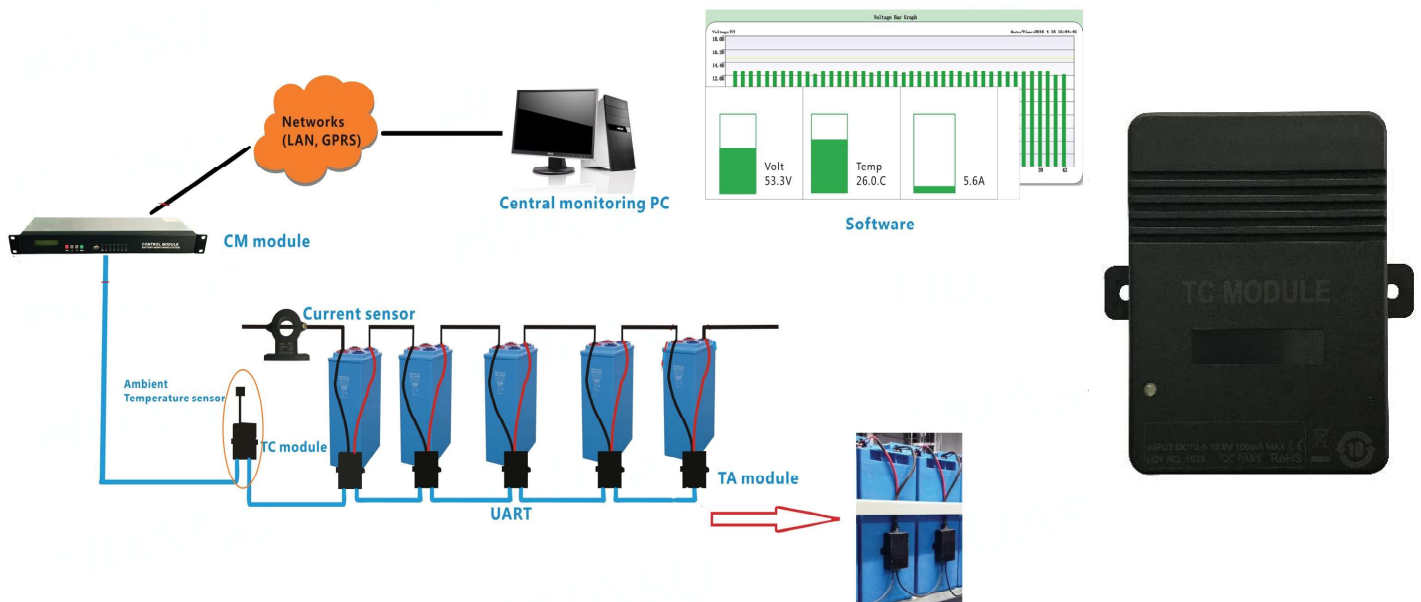
Current and Ambient Temperature Measurements



OVERVIEW

The TC module is designed for H3G-TA/TV, 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

0-1500A(optional), -5°C~99°C

Power Requirements

DC 10.8~13.8V, 1W

Protection

Fused power circuit and measurement circuit

Measurement Range & Accuracy

Charge/discharge: 0~1000A, $\pm 2\%$
Ambient temperature: -5°C~99°C $\pm 1^\circ\text{C}$

Installation

Mount on battery or DIN rail

Communications Interface

TC module: meets MODBUS

Insulation

2000 VAC

Durability

MTBF: 100,000 hours

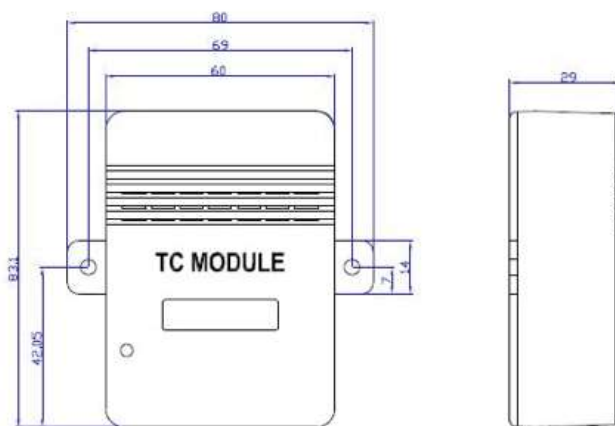
Weight

TC module: 72g

Standards

CE
ROHS
UL61010-1

DIMENSIONS



(Unit: mm)

OPTIONS

Not Applicable

APPLICATIONS

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