H3G-TV Intelligent Battery Monitor
Voltage and Temperature Measurements

- Continuous 24/7 on-line monitoring
- One TV module monitors one cell, including voltage and temperature
- Software is available to collect data from TV module
- Serial port with Optical isolation, meet MODBUS protocol, easy to be accessed by UPS controller
- Easy to install without specialized training

Overview

H3G-TV intelligent battery monitor is designed specifically for single cell. H3G-TV combines the advanced technology with patented for the most thorough stationary battery health analysis in the industry.

One H3G-TV system includes TV modules, TC modules and one CM module.

Features

- Full battery temperature and voltage monitoring for comprehensive battery state of health analysis
- String current and ambient temperature monitoring (need TC module)
- Automatic analysis of battery monitoring data, find out the batteries that need replacement or maintenance (need CM module)
- With a big storage space to save history data
- Lights on panel flash when alarms rise up which also can be read over through serial bus
- All operating parameters can be set over through serial bus
- A software based on PC is available to manage multiple strings, check real-time alarm and historical data

Email: sales@huasucn.com  www.huasucn.com
Specifications

Environmental
Operating temperature: -5°C ~ 50°C, 5% ~ 90% RH
Storage temperature: -10°C ~ 70°C, 5% ~ 90% RH

Used for
2V, 6V or 12V battery

Power Requirements
TV module: powered from the battery, less than 12mA (2V) or 4mA (12V)
TC module: DC8 ~ 13V, 0.3W
Converter: DC8 ~ 13V, 2W
CM module: 85 ~ 264VAC, 100V ~ 370VDC, 15W

Protection
Test load and power paths are fused

Measurement Range & Accuracy
String voltage: 20 ~ 800V, ±(0.5% + 0.2V)
Cell voltage: 1.5 ~ 2.5V, ±(0.1% + 1mV)
9 ~ 15V, ±(0.1% + 10mV)
Battery temperature: 5°C ~ 70°C, ±1.5°C
Ambient temperature: -10°C ~ +70°C, ±0.5°C

Dimensions

Options
1. Converter
   Used for the applications without CM module and connector to a controller directly.
2. Software
   It can be installed on PC and read and display data from CM module

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

Hangzhou Huasu Jada Technology Co., Ltd
No.16, Xiyuan Wu Road, Xihu Tech-economy Zone, Hangzhou, China PC: 310030
TEL: 0086-571-87963591 87967915  FAX: 0086-571-87968969
http://www.huasucn.com sales@huasucn.com

String current: 0 ~ 500A, ±2% (Full scale)

Communications Interfaces
TV module: serial port, meet MODBUS protocol, support 130 devices on each bus
TC module: serial port, meet MODBUS protocol
CM module: RS485, Ethernet Port, meet MODBUS/RTU, MODBUS/TCP and SNMP protocol

Insulation
2000VAC

Installation
Paste on battery or rail mounting

Weight
TV module: 50g  TC module: 260g
CM module: 1.8Kg