Battery Monitoring System   BATSTAT-R01
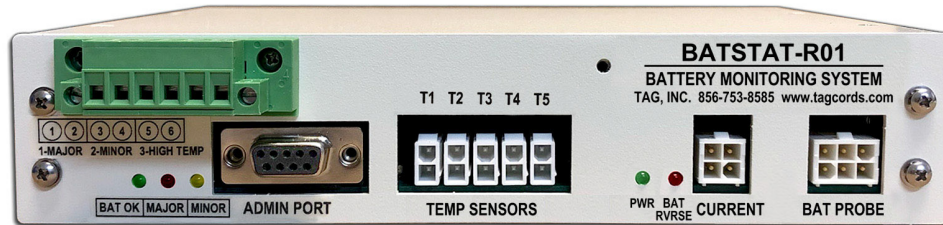
(OSP CABINET WITH (1) BATTERY STRING)

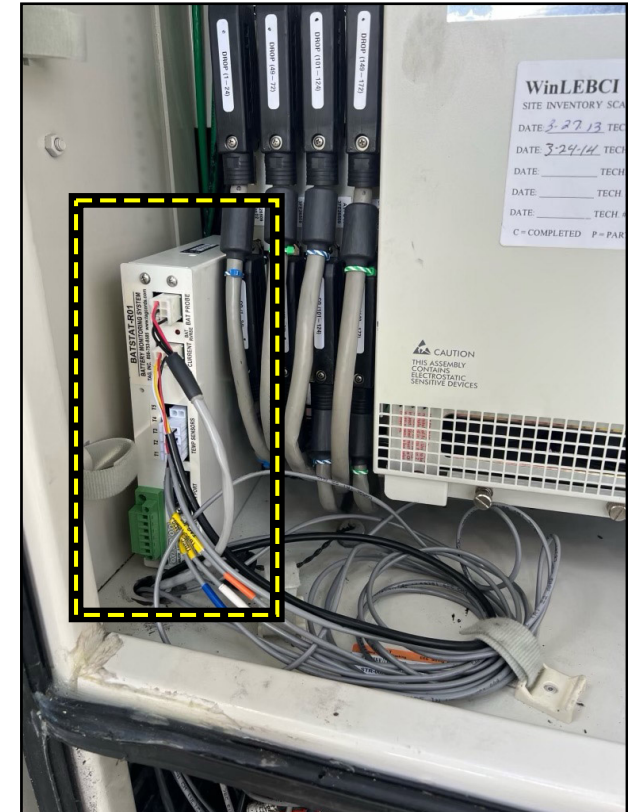**BATSTAT-R01**
Battery Monitoring System

Benefits:

- "Extend your battery's life" - Provides real time battery health status alarms
- Ideal for hard to access sites (Airports, Military Base)
- Saves expense of testing batteries that are still good
- "Protect your battery warranty" - Measures battery float voltage, current, resistance, and monitors battery temperature
- Economical smart power plant upgrade

Reporting Mechanisms:

- Utilize existing alarm inputs to communicate to (NRC)

Ordering Information:

BATSTAT-R01   **Battery Monitoring System**   **Call for Pricing**
includes: (1) Battery Monitor Controller w/ Mounting Bracket,
(4) TBSC-TEM30 - Heat Sensor Probes, (3) Sets of Alarm Contact Wires,
(1) TBSC-BATZ - Battery String Probe & (1) TBSA-CUR10 - Current Probe

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150 Cooper Rd. (F-15)
W. Berlin, NJ 08091

www.tagcords.com
Telecom Assistance Group

Telephone: (856) 753-8585
Fax : (856) 768-7645

    datasheets\Battery Monitoring System\TAG_Battery_Monitoring_System_r33.dsf (05/08/24)

Battery Monitoring System

BATSTAT-R01

SYSTEM LAYOUT (TYPICAL):

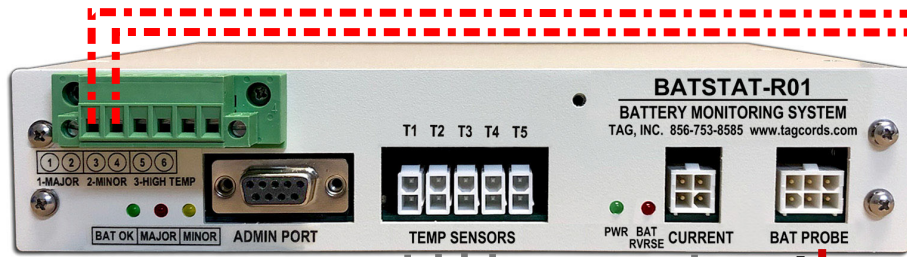**(Cabinet with (1) Battery String)**

Battery Monitoring System Contains -
(1) Battery String (Red/Black)
(4) Heat Sensor Probes (Color Coded) *- Plug in up to 5 heat sensor probes*
(1) Current Probe
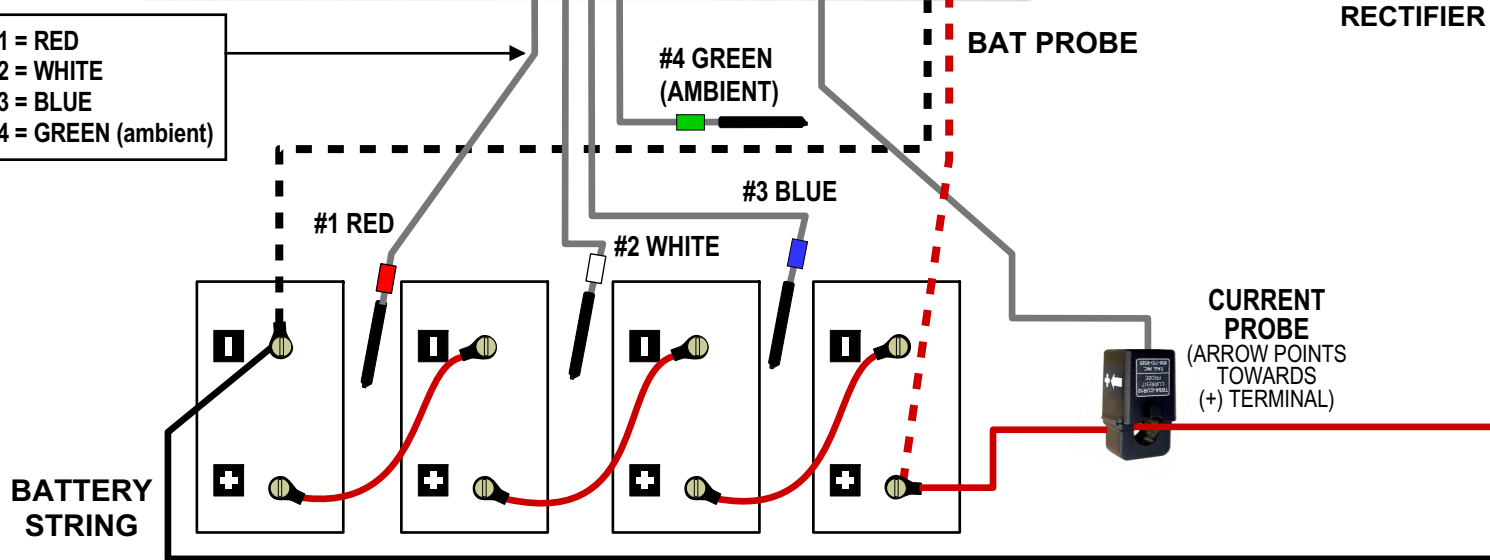(3) Alarm Contact Outputs (Red Dashed) *- Output contact assignment per the NRC*

ALARM OUTPUT CONTACTS

BATTERY MONITOR CONTROLLER

BATSTAT-R01
BATTERY MONITORING SYSTEM
TAG, INC. 856-753-8585 www.tagcords.com

1-MAJOR 2-MINOR 3-HIGH TEMP

BAT OK MAJOR MINOR   ADMIN PORT   TEMP SENSORS   PWR BAT RVRSE   CURRENT   BAT PROBE

T1 T2 T3 T4 T5

RECTIFIER

Temp 1 = RED
Temp 2 = WHITE
Temp 3 = BLUE
Temp 4 = GREEN (ambient)

BAT PROBE

#4 GREEN (AMBIENT)

#3 BLUE

#1 RED

#2 WHITE

CURRENT PROBE
(ARROW POINTS TOWARDS (+) TERMINAL)

BATTERY STRING

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datasheets\Battery Monitoring System\TAG_Battery_Monitoring_System_r33.dsf (05/08/24)

Battery Monitoring System

BATSTAT-R01

TAG PART

BATSTAT-R01　　　　**Battery Monitoring System**

INCLUDES:

(1) Battery Monitor Controller (Includes Mounting Bracket)

(4) TBSC-TEM30,
Heat Sensor Probes
Heat Sensor Probe to 2 Pin Plug, (6')

(1) TBSC-BATZ,
Battery String Probe
Probe Cable w/ 1/4" Round Lugs, (10')

(3) Sets of Alarm Contact Wires, (10')

(1) TBSA-CUR10,
Current Probe

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Fax :　(856) 768-7645

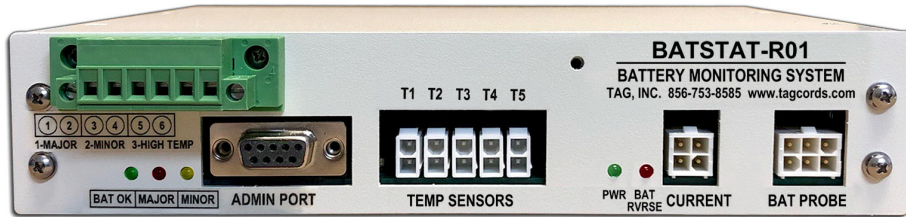# Battery Monitoring System

BATSTAT-R01

SPECIFICATIONS:

Part
BATSTAT-R01

Description
Battery Monitoring System (1 Battery String)

I/O

Ports	QTY	Type
Admin	1	DB9
Alarm	3	3 Dry Contacts on Terminal Block
Temp Sensor Probe	5	Temp Probe Cables
Current Probe	1	Clamp on Current Sensor
BAT Probe	1	BAT Probe Cable - w/ 1/4" Ring Lugs, (10')

Alarm
Alarm Outputs (Major, Minor, High Temp)
- Close on alarm
- Contact Rating 1 AMP DC Resistive at 48 VDC
- Plugable Terminal Block

Power

Nominal Voltage:	-48 VDC
Maximum Voltage:	-65 VDC
Minimum Voltage:	-42 VDC
Maximum Current:	0.10 Amps @ -48V
Power:	5w max

Physical

Dimensions:	1.75" High, 8" Wide, 6.25" Deep
Mounting:	Variety of Mounting Kits Available
Weight:	3 pounds

Environment

Operating Temperature:	-20°C to +65°C
Storage Temperature:	-40°C to +85°C
Humidity:	5% to 90% relative humidity, non-condensing

Alarming Conditions
Temp of battery more than 10°C above ambient in battery compartment
Temp difference between batteries greater than 8°C
Battery voltage out of bounds - high / low
Battery in discharge
Battery overcharging, battery voltage or battery current too high
Battery resistance increases by 60%