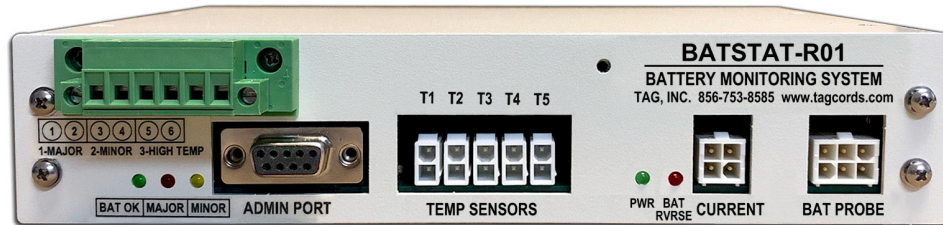


# Battery Monitoring System

# BATSTAT-R01



**BATSTAT-R01**  
Battery Monitoring System

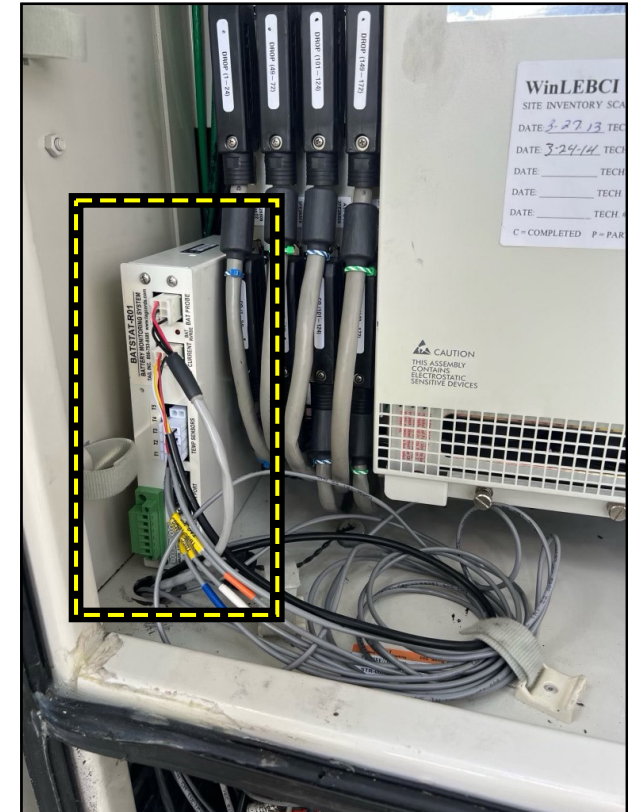
## Benefits:

- "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)

(OSP CABINET WITH (1) BATTERY STRING)



## Ordering Information:

**BATSTAT-R01**

**Battery Monitoring System**

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

**AT&T PID #**  
**ATT.200010430**

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

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Fax : (856) 768-7645

# Battery Monitoring System

# BATSTAT-R01

## SYSTEM LAYOUT (TYPICAL):

(Cabinet with (1) Battery String)

Battery Monitoring System Contains -

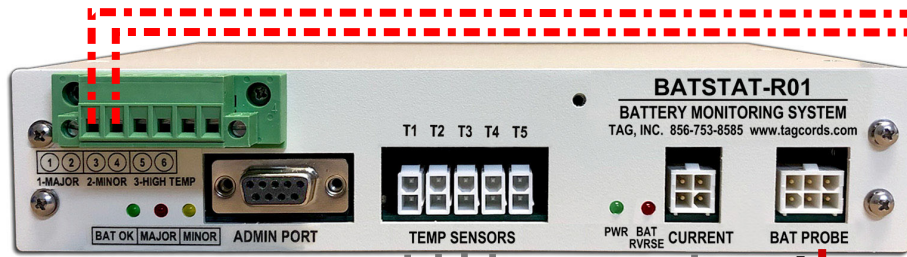
- (1) Battery String (Red/Black)
- (4) Heat Sensor Probes (Color Coded) - Plug in up to 5 heat sensor probes
- (1) Current Probe
- (3) Alarm Contact Outputs (Red Dashed) - Output contact assignment per the NRC



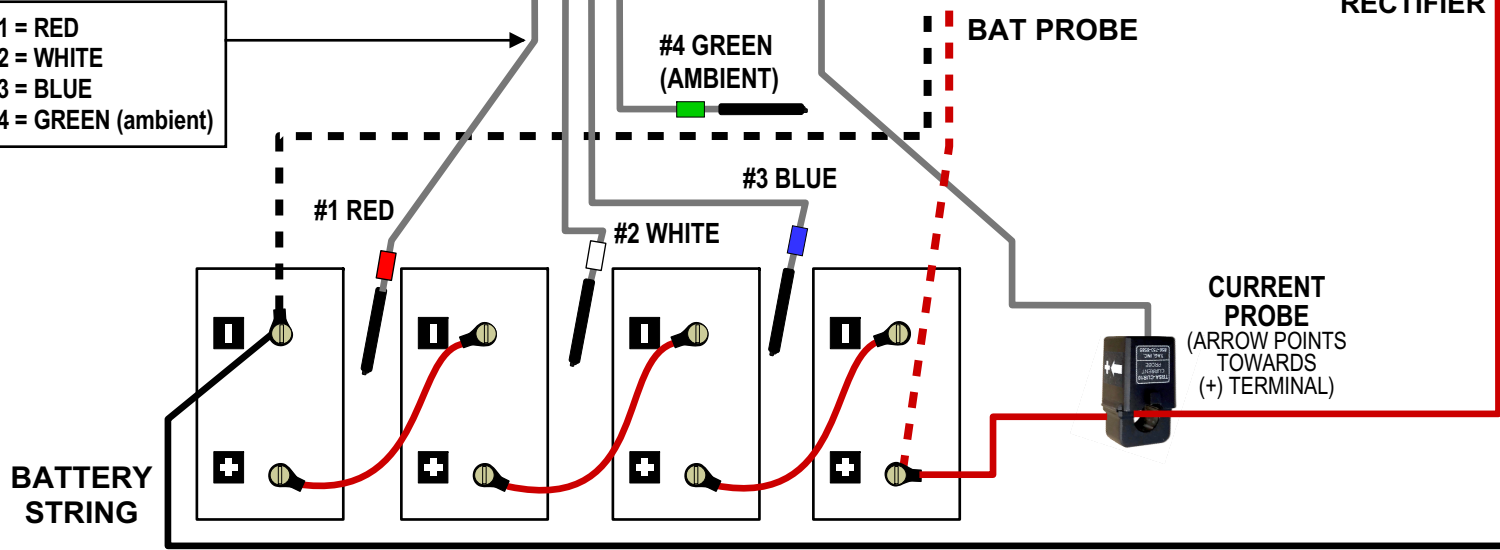
ALARM OUTPUT CONTACTS

RECTIFIER

BATTERY MONITOR CONTROLLER



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



BATTERY STRING

CURRENT PROBE (ARROW POINTS TOWARDS (+) TERMINAL)

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# Battery Monitoring System

# BATSTAT-R01

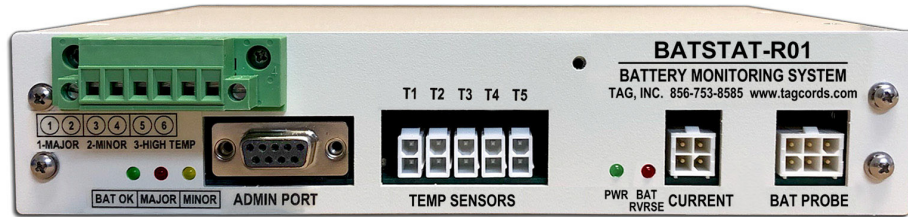
**TAG PART #**

**BATSTAT-R01  
Battery Monitoring System**

**AT&T PID #  
ATT.200010430**

**INCLUDES:**

**(1) Battery Monitor Controller (Includes Mounting Bracket)**



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



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



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



**(1) TBSA-CUR10,  
Current Probe**



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# Battery Monitoring System

# BATSTAT-R01

## SPECIFICATIONS:

**Part #**  
BATSTAT-R01

**Description**  
Battery Monitoring System (1 Battery String)

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

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')

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

**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

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%

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