BM-36 Battery Monitoring System (BMS)

For use with NiMH, NiCd and Lead-Acid cells in large strings

The system consists of the following parts:

Battery Measurement Module, 1 per cell (BMM)



Connects to 1 cell

Voltage: $0.5^{3.3}$ VDC, Resolution 1 mV, Accuracy $\pm 0.2\%$ Resistance: 0^{50} mΩ, Resolution 25 μ Ω, Accuracy $\pm 1.5\%$

Temperature: -20 ~ +85 °C, Accuracy ±0.5 °C

LED Indication: GREEN OK, RED Fault. Communication: isolated MODBUS

Cables: included

Dimensions: 100 x 70 x 30 mm

Remote Measurement Module, 1 per 5 cells (RMM)



Connects to 1~5 cells

Voltage: 0.7~3.3VDC, Resolution 1 mV, Accuracy ±0.2%

Temperature: -20 ~ +85 °C, Accuracy ±0.5 °C

Communication: Wireless 868MHz/isolated MODBUS

Internal antenna. Cables: optional

Dimensions: 120 x 120 x 60 mm

General Measurement Module, 1 per string (GMM)



Ambient temperature Ambient humidity String Voltage 0~300V String current 0~400A Digital inputs: 4, isolated

LED Indication: GREEN OK, RED Fault. Communication: isolated MODBUS

Cables: included

Dimensions: 100 x 70 x 30 mm

Central unit, 1 per system



Communication with up to 36 BMMs in daisy chain. Fanless computer with 21"monitor, keyboard and mouse.

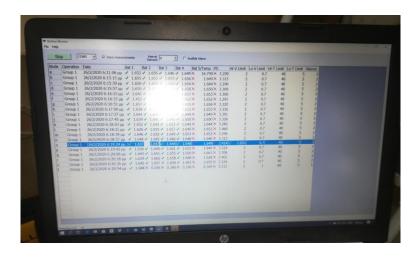
Windows O.S.

RDP access.

MODBUS interface.

Ethernet interface. Optional: GPRS modem.

Software included for Windows XP/7/8/10



Real-time display of measurements Real-time display of alarms.

User configuration with alarm limits.

Measurements storage.

Export to Excel and CSV format.

Email/SMS alarms.

Measurements upload to central server.



Application case with 21 Remote Measurement Modules (85 cells).

Radio communication @ 868MHz between Modules and Central unit.

ORDERING INFO

Model: BM-36

Part Number: 02.12.0040

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