

Datalog Controls and Solutions Pvt. Ltd.

.....A team for real time Data Acquisition



DATALOG CONTROLS AND SOLUTIONS PVT LTD

Plot no: 196, Phase – II, IDA, Cherlapally.

HYDERABAD

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About Datalog Controls

Datalog Controls and Solutions was established in the year 1998 with an objective of developing indigenous Test and data acquisition solutions. Over the two decades, **Datalog** has pioneered the design and development of complex missile battery test systems, electronic load banks, High Power DC sources, automated test setups and so on.

Being an ISO 9001:2008 Certified organization, **Datalog** has been involved in the successful development of many customized solutions to various defence establishments, PSUs and the Private Industry.

With an excellent manufacturing facility, **Datalog** is empowered by its highly qualified team of engineers in the research and development, takes up highly challenging and complex tasks for the defence, military, railways and the industry.

PRODUCTS...

- **Load Banks**

 - **Electronic Loads**

 - **Resistive Loads**

 - **Inductive Loads**

- **Battery Chargers**

- **Battery Packs**

- **Test Systems**

- **Power Supplies**

- **MIL Grade DC-DC Converters**

- **Others**

Battery Based Laser Power Conditioning System

Salient Features:

- **Designing for testing Battery bank**
- **Programmable Battery management System (BMS), DC-DC Converter & Battery Charger**
- **Three suitable Electronic loads provided**
 - 1) **Battery Management**
 - 2) **DC-DC Converter**
 - 3) **Battery Charger**
- **RS232/RS485 Provisions through Remote Operation**
- **Indications: Voltage, Current, Output ON, Test On, Test Over**
- **All DAQ parameters displayed on the screen**
- **Limits: Temperature cut off, Voltage cut off And current cut off**
- **Voltage and current display through digital Voltmeter and Ammeter**
- **Voltage and Current programmable sample rate with software**



Lithium battery with BMS (180V/220AH)

Salient Features:

- **High integrated battery stack slave Micro controller based battery bank with BMS**
- **Battery Pack Voltage: 180V**
- **Battery Pack Capacity: 220AH**
- **Continuous monitoring & recording data of**
 - ❖ **Charge & discharge currents of battery bank**
 - ❖ **Individual cell voltages**
 - ❖ **Battery pack voltage and temperature**
- **Calculations:**
 - ❖ **State of Charge (SOC)**
 - ❖ **State of Health (SOH)**
- **Protections: over voltage, under voltage, over current, over load/Over charge, Over Temperature & Reverse**
- **Integrated Cell balancing**
- **Status and Fault Indication LEDs, Self Diagnosis and Error Alarms**
- **High Speed Industrial RS232/CAN bus communication**
- **Integration with Application software for Data analysis**



Lithium ion battery packs with BMS (48V/150AH)

Salient Features:

- Latest Micro controller based lithium ion battery pack for BMS
- **Battery Pack Voltage: 48V**
- **Battery Pack Capacity: 150AH**
- Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual cell voltages
 - **Battery pack voltage and temperature**
- Low voltage & high voltage cut-off
- Integrated Cell balancing
- Calculations:
 - ❖ State of Charge (SOC)
 - ❖ State of Health (SOH)
- **Protections: over voltage, under voltage, over current, over load/Over charge, Over Temperature & Reverse**
- **Status and Fault Indication LEDs, Self Diagnosis and Error Alarms**
- High Speed Industrial RS232/CAN bus communication
- Integration with Application software for Data analysis



Lithium ion 16 Module battery packs with BMS

Salient Features:

- High performance ARM Cortex™-M3 Micro controller based battery pack
- High Speed Industrial RS232/CAN bus communication
- 16 Module battery pack
- Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual module currents of channels
 - **Battery pack voltage and temperature**
- **Protections: over voltage, under voltage, over current, over load / over charge & Reverse**
- onboard temperature sensor
- Inbuilt isolated DC-DC converter for local supplies
- Independent SB75 connector for charger connection and SB120 for Lad connection



Lithium ion 15 Module battery packs with BMS

Salient Features:

- High performance ARM Cortex™-M3 Micro controller based battery pack
- High Speed Industrial RS232/CAN bus communication
- 15 Module battery pack
- Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual module currents of channels
 - Battery pack voltage and temperature
- Protections: over voltage, under voltage, over current, over load / over charge & Reverse
- onboard temperature sensor
- Inbuilt isolated DC-DC converter for local supplies
- Independent SB75 connector for charger connection and SB120 for Lad connection



Lithium ion 6 Module battery packs with BMS

Salient Features:

- High performance ARM Cortex™-M3 Micro controller based battery pack
- High Speed Industrial RS232/CAN bus communication
- 6 Module battery pack
- Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual module currents of channels
 - Battery pack voltage and temperature
- Protections: over voltage, under voltage, over current, over load / over charge & Reverse
- onboard temperature sensor
- Inbuilt isolated DC-DC converter for local supplies
- Independent SB75 connector for charger connection and SB120 for Lad connection



Lithium ion 15 Module battery packs with BMS

Salient Features:

- High performance ARM Cortex™-M3 Micro controller based battery pack
- High Speed Industrial RS232/CAN bus communication
- 15 Module battery pack
 - Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual module currents of channels
 - Battery pack voltage and temperature
 - Protections: over voltage, under voltage, over current, over load / over charge & Reverse
 - onboard temperature sensor
 - Inbuilt isolated DC-DC converter for local supplies
 - Independent SB75 connector for charger connection and SB120 for Lad connection



Lithium ion 3 Module battery packs with BMS

Salient Features:

- High performance ARM Cortex™-M3 Micro controller based battery pack
- High Speed Industrial RS232/CAN bus communication
- 3 Module battery pack
 - Continuous monitoring & recording data of
 - Charge & discharge currents of battery bank
 - Individual module currents of channels
 - Battery pack voltage and temperature
 - Protections: over voltage, under voltage, over current, over load / over charge & Reverse
 - onboard temperature sensor
 - Inbuilt isolated DC-DC converter for local supplies
 - Independent SB75 connector for charger connection and SB120 for Lad connection





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