



ELECTRONICS

The rugged Lead-Acid Battery System (LABS) is an 24 volts, 55 amp-hour (C/20) battery storage unit with State Of Charge indication, Controller Area Network (CAN) communications, and battery protection. The LABS contains two 12 volt deep-cycle sealed lead acid batteries and charge protection electronics. A J1939/2 CAN communications interface allows a remotely located controller to efficiently manage the operation of multiple batteries connected to the system.

The interface electronics monitor battery voltage, current, and temperature to provide charge and discharge protection as well as state of charge display. The LABS is packaged in a rugged polypropylene

## PRODUCT SPECIFICATION

### LEAD-ACID BATTERY SYSTEM



enclosure with two carrying handles for transport and storage.

## GENERAL SPECIFICATIONS

### Part Number:

0754A06-001

### Electrical:

- 24Vdc, 55A-hr (C/20)
- Load Current – 40A (max.)
- Meets MIL-STD-461E, CE102, RE102, and RS103

### Human Machine Interface:

- 5-Segment LED State of Charge indication
- J1939/2 CAN Communications
  - Battery Voltage
  - Battery Current
  - Battery Temperature
  - State of Charge

### Protection:

- Reverse voltage
- Over-charge
- Over-discharge
- Over-voltage: 32V
- Over-current: 50A
- Over-temperature: 60°C
- Short circuit

### Environmental:

- Corrosion Resistant as per MIL-STD-810F, Method 509.4
- Sand and Dust resistant as per MIL-STD-810F, Method 510.4
- Shock resistant as per MIL-STD-810F, Method 516.5, procedure IV
- Rain resistant as per MIL-STD-810F, Method 506.4
- Operational temperature range -4°F to 131°F (-20°C to 55°C)

### Mechanical:

- Dimensions: 12.8" x 20.7" x 12.7"
- Weight: 110 pounds
- Enclosure: Polypropylene