



iDB Power Solutions Private Limited

BMS for Lead Acid Batteries iDB-BMSLA48

Features

- The most important function BMS provides is equalization of cells resulting in better overall performance of the batteries and improving their life cycles.
- It enhances safe use of the battery by providing several types of protections.

Specifications

| 48V SYSTEM | Parameters | Specification | |
|-------------|--------------------------------------|---------------------------------|------------------------|
| | | Tubular Battery | Flat Plate Battery |
| Input DC | Nominal DC Bus Input | 48VDC | |
| | String Voltage Operating Range | 41 - 65V DC \pm 1V | 40-60VDC \pm 1V |
| | Individual Battery Operating Range | 10 - 16V DC \pm 0.5V | 10 - 15V DC \pm 0.5V |
| | Equalization Current Range | 2.0 - 2.5Amp | |
| | Equalization Voltage Tolerance Range | Avg of All Batteries \pm 0.2V | |
| Protections | Battery Reverse Polarity | Electronically Protected | |
| | Over Current Protection | Electronically Protected | |
| | Over Voltage Protection | Electronically Protected | |
| | Wrong Wiring of Individual Battery | Electronically Protected | |