

Datasheet

Item number: 17130

Description:

Module based lithium-Ion battery pack for heavy duty electric vehicles. Has the possibility of high discharge rate and a high charging current.

Highlights:

- *25,2V/40,8Ah battery pack.
- *Low Self-discharge <3% / month.
- *Module based with SBE80 connector.
- *High efficiency.

Module specifications:

| | |
|--|---|
| Voltage | 24V (25,2V) |
| Capacity (Ah) | 40,8Ah |
| Cell Configuration | 7S16P |
| Cell Type | 18650/2550mAh |
| BMS | Integrated |
| Chemistry | Lithium-NMC |
| Cycle Life | >500 cycles (@80% DoD, Vmax-charge = 29.4V) |
| Self-Discharge | <3% / month |
| Dimensions | 163 x 153 x 212mm |
| Weight | 8,2 Kg |
| Casing | Stainless steel |
| Enclosure | Splash proof (IP54) |
| Connector | Anderson 80A |
| Communication Connector | DE-9 (P2: CAN-L; P7: CAN-H; P4: Shared GND; P8: Analog +) |
| Discharge/Charge temperature range | -10°C - +50°C / 0°C - +30°C |
| Approvals/Certifications | UN38.3 / CE / IEC62133-2 |
| Maximum number of packs in serial/parallel | 2/6 |

BMS specifications:

| | |
|----------------------------------|---|
| Charge ending voltage | 29.4±0.1V |
| Discharge ending voltage | 19.6±0.1V |
| Standard cont. charging current | 8A |
| Max. cont. charging current | 80A (Recommended I _{max} = 20A) |
| Standard cont. discharge current | 8A |
| Max. cont. discharge current | 80A |
| Peak current | 160A (<3S) |
| Short Circuit Protection | |
| Current consumption | < 3 (mA) |
| Analog SoC Output | (0-5V) (<2mA) Where 0V: 0% SoC, 2.5V: 50% SoC, 5V: 100% SoC |
| CANBus Specifications | |
| Bitrate | 250Kb/s |
| Data | Both Real-time and Event Log can be retrieved |
| Reflashable Firmware | YES |
| Multiple Batteries on same BUS | YES |