

**Model:** Power-Xtra - 4S - 14.8V 40A Li-ion BMS

**Stock Code:** : 900.600.501.211

## TECHICAL INFORMATIONS

| Item No | Specs / Details                 |                                        | Criteria / Parameters          |
|---------|---------------------------------|----------------------------------------|--------------------------------|
| 1       | Model                           | 4S - 14.8V 40A Li-ion BMS              | 40A working current            |
| 2       | Voltage                         | Charging voltage                       | 16.8V~18.1V                    |
| 3       | Current                         | Maximal continuous charging current    | 20A                            |
|         |                                 | Maximal continuous discharging current | 40A                            |
|         |                                 | Current consumption                    | 12 - 24uA                      |
| 4       | Overcharge Protection           | Over charge detection voltage          | 4.25V±0.05V                    |
|         |                                 | Over charge detection delay time       | 160ms (MAX)                    |
|         |                                 | Over charge release voltage            | 4.15V±0.05V                    |
| 5       | Over Discharge Protection       | Over discharge detection voltage       | 2.50V±0.1V                     |
|         |                                 | Over discharge detection delay time    | 80ms (MAX)                     |
|         |                                 | Over discharge release voltage         | 3.50±0.3V                      |
| 6       | Over Current Protection         | Over current detection voltage         | 150±30mV                       |
|         |                                 | Over current detection current         | 80 A±10 A                      |
|         |                                 | Detection delay time                   | 200ms (MAX)                    |
|         |                                 | Release condition                      | Disconnect load                |
| 7       | Short Circuit Protection        | Detection condition                    | External circuit short circuit |
|         |                                 | Detection delay time                   | 600 μs (MAX)                   |
|         |                                 | Release condition                      | Break the short circuit        |
| 8       | Balance                         | Balance voltage for single cell        | -                              |
|         |                                 | Balance current for single cell        | -                              |
| 9       | Resistance                      | Inner resistance                       | RDS ≤3.5m Ω                    |
| 10      | Temperature                     | Operating temperature range            | -40 ~ +50°C                    |
|         |                                 | Storage temperature range              | -40~ +80°C                     |
| 11      | Dimension<br>(with nickel belt) | Length                                 | 55mm                           |
|         |                                 | Width                                  | 45mm                           |
|         |                                 | Thickness                              | 4mm                            |

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## IMAGE / TECHNICAL DRAWING

