

**Model:** Power-Xtra - 1S - 3.7V 3A Li-ion BMS - Horizontal -V2

**Stock Code:** 900.600.501.195

## TECHICAL INFORMATIONS

| Item No | Specs / Details                 |                                        | Criteria / Parameters          |
|---------|---------------------------------|----------------------------------------|--------------------------------|
| 1       | Model                           | 1S - 3.7V A Li-ion BMS                 | 3A working current             |
| 2       | Voltage                         | Charging voltage                       | 4.2V                           |
| 3       | Current                         | Maximal continuous charging current    | 3A                             |
|         |                                 | Maximal continuous discharging current | 3A                             |
|         |                                 | Current consumption                    | 3.5-8.0uA                      |
| 4       | Overcharge Protection           | Over charge detection voltage          | 4.28V $\pm$ 0.025V             |
|         |                                 | Over charge detection delay time       | 160ms (MAX)                    |
|         |                                 | Over charge release voltage            | 4.08V $\pm$ 0.05V              |
| 5       | Over Discharge Protection       | Over discharge detection voltage       | 2.40V $\pm$ 0.05V              |
|         |                                 | Over discharge detection delay time    | 80ms (MAX)                     |
|         |                                 | Over discharge release voltage         | 3.00 $\pm$ 0.1V                |
| 6       | Over Current Protection         | Over current detection voltage         | 150 $\pm$ 30mV                 |
|         |                                 | Over current detection current         | 5.5A-6.0A                      |
|         |                                 | Detection delay time                   | 10ms (MAX)                     |
|         |                                 | Release condition                      | Disconnect load                |
| 7       | Short Circuit Protection        | Detection condition                    | External circuit short circuit |
|         |                                 | Detection delay time                   | 600 $\mu$ s (MAX)              |
|         |                                 | Release condition                      | Break the short circuit        |
| 8       | Balance                         | Balance voltage for single cell        | -                              |
|         |                                 | Balance current for single cell        | -                              |
| 9       | Resistance                      | Inner resistance                       | RDS $\leq$ 60m $\Omega$        |
| 10      | Temperature                     | Operating temperature range            | -40 ~ +50°C                    |
|         |                                 | Storage temperature range              | -40~ +80°C                     |
| 11      | Dimension<br>(with nickel belt) | Length                                 | 112mm                          |
|         |                                 | Width                                  | 15.8mm                         |
|         |                                 | Thickness                              | 2.2mm                          |

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## IMAGE / TECHNICAL DRAWING

