

# Li-ion Battery Specifications

Model No. : 0204BF01

Description : 2S4P Li-ion Battery Hard Pack

Battery CELL : NCR18650BF (Panasonic)

Date : 2022.10.11



## Battery Pack Specifications

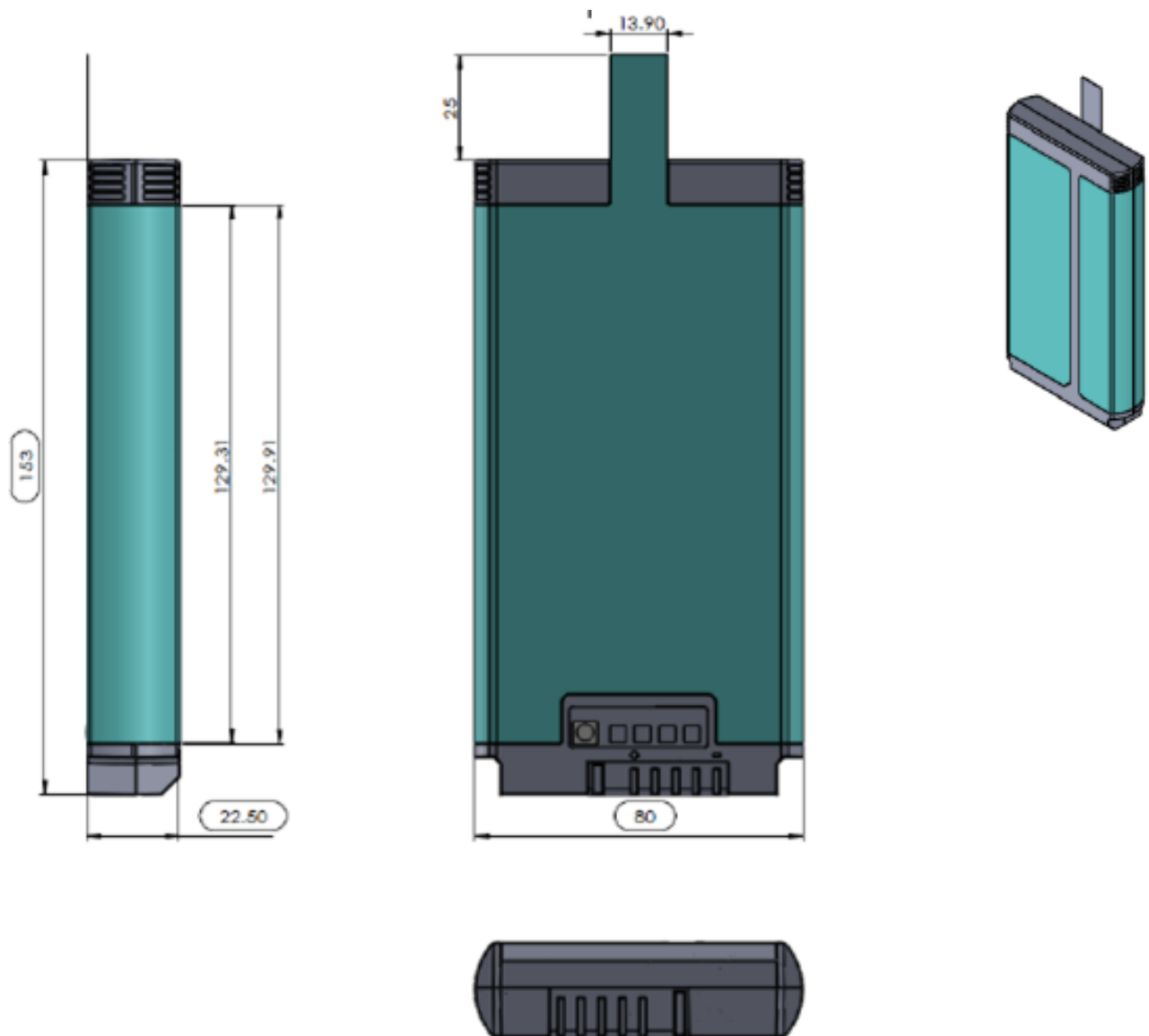
| Feature                            | Specifications                   |
|------------------------------------|----------------------------------|
| Pack configuration                 | 2S4P                             |
| Pack nominal voltage               | 7.2V                             |
| Pack rated capacity                | 12800mAh                         |
| Watt-Hour                          | 96Wh                             |
| Maximum Charging Current           | 7.0A                             |
| Continuous Discharge Current (Max) | 8.0A                             |
| Charge connector                   | AMP 787614-1 5-pin               |
| Discharge connector                |                                  |
| Case                               | Plastic case(Sabic 6600)         |
| Communication interface            | SMBus support                    |
| Dimension                          | 153mm*80mm*22.5±1mm              |
| Weight                             | 0.450KG±50g                      |
| Certification                      | UN38.3 / IEC62133 / IEC60601-1-2 |
| Battery remaining display          | 4LED                             |

## BMS Specifications

| No. | Item                             | Specification | Remark |
|-----|----------------------------------|---------------|--------|
| 1   | Model                            | PCB(2S)       |        |
| 2   | Over charge voltage threshold    | 4.25V±0.025V  |        |
| 3   | Over charge voltage release      | 4.0V±0.05V    |        |
| 4   | Over discharge voltage threshold | 2.70V±0.050V  |        |
| 5   | Over discharge voltage release   | 3.0V±0.100V   |        |
| 6   | Over discharge current threshold | 9A±1%         |        |
| 7   | Over current delay time          | 2S            |        |
| 8   | Short circuit threshold          | 50A           |        |
| 9   | Balance function                 | Enabled       |        |

# Specifications

## 4. Mechanical Drawing



# 専用充電器



## 主な仕様:

|                    |   |
|--------------------|---|
| 構成                 | 専用充電器+ACアダプタ  |
| 特徴                 | 適用電池を2パック同時充電可能   |
| 充電電圧・電流<br>(常温)    | 2S2P: 8.4V 3.2A    2S3P: 8.4V 4.8A<br>2S4P: 8.4V 4.8A    3S2P: 12.6V 3.2A<br>4S1P: 16.8V 1.6A    4S2P: 16.8V 3.2A |
| 出力端子               | 専用コネクタ (電池と勘合)  |
| 充電機能               | CC-CV充電 保護機能あり  |
| 表示(LED)            | 緑点滅:充電中 / 緑点灯:充電完了<br>赤点滅:異常  |
| 充電時間               | 約 5時間 (常温にて)  |
| 寸法(充電器部)           | 190*100*97 mm   |
| 専用ACアダプタ           | DC24V 6.6A 160W   |
| 適用安全規格<br>(ACアダプタ) | <PS>E    IEC/EN/UL 62368-1 & 60950-1<br>CB / GS / CE / BSMI / RCM / CCC   |