

**Rechargeable
Lithium-ion
Battery Pack D91130**

Standard Li-ion battery pack D91130, 1 x 596080B cells (1S1P) with 3.80V / 3880mAh / 14.7Wh



Features:

- Off the shelf single cell pack with high energy density in a slim / compact design
- Allows to develop smaller / lightweight portable devices with long runtime, lower NRE costs and shorter time to market
- Fuel gauge based on Impedance Tracking delivers accurate Time-To-Empty & Remaining Capacity predictions over the life time
- I2C communication
- Temperature control by NTC
- Comprehensive charging/discharging and passive safety systems
- Worldwide approvals
- Registered with recycling worldwide

Applications:

Suitable for use with hand held compact devices for industrial and medical applications, etc.



| General | |
|----------------------------------|--|
| Delivery status battery capacity | 30% |
| Compliance information | CE / UL2054 / FCC / PSE / KC / IEC 62133 / Gost / EAC / RCM / ROHS / UN 38.3 / Reach / CQC / BIS / TIS 2217-2548 |
| Operating temperature | 0°C to 45°C (charge) -20°C to 60°C (discharge) |
| Storage temperature | -20°C to 60°C max. -20°C to 25°C recommended |
| Charger | Single Position |
| Length | 84mm |
| Width | 61mm |
| Thickness | 6.8mm max |
| Weight | 75g |
| Contacts | +, -, SDA (NTC), SCL |

| Electrical Parameters | |
|---|---|
| Nominal Voltage | 3.8V |
| Nominal Capacity | 3880mAh |
| Internal Impedance | <100mΩ @ 1kHz at 20°C |
| Maximum charge current | 2400mA |
| Maximum charge voltage | 4.35V |
| Max discharge | 3000mA |
| Life expectancy @25°C 1.9A Charge/0.75A discharge | >500 cycles with min. 80% of initial capacity |

| Safety Parameters PCM | |
|---------------------------------|-----------|
| Overcharge detection voltage | 4400mV |
| Overdischarge detection voltage | 2800mV |
| Overcharge detection current | 3000mV mA |
| Overdischarge detection current | 4000mV mA |

Prior to use read handling precaution and prohibitions for Li-ion batteries

