

### Lithium Polymer Battery LP9080140 1S1P

Incl. PCM (max. 0,5C) and NTC 10 kOhm  
with cable 150 mm red / black

#### Electrical characteristics

Order no. 60.10381

|                             |                               |                                     |
|-----------------------------|-------------------------------|-------------------------------------|
| Nominal voltage             | 3.7 V                         |                                     |
| Typical capacity            | 14'800 mAh                    | (0.2C / 3.0 V at 20°C)              |
| Minimum capacity            | 14'400 mAh                    | (0.2C / 3.0 V at 20°C)              |
| Impedance initial           | ≤50 mΩ                        |                                     |
| Standard charge current     | 2'000 mA                      | 0.02C cut-off                       |
| Max. charge voltage         | 4.2 V                         |                                     |
| Max. charge current         | 7'400 mA                      |                                     |
| Max. cont. discharge        | 7'400 mA                      |                                     |
| Discharge Cut off           | 3.0 V                         | end voltage                         |
| NTC                         | 10 kOhm ±1%, B=3435           |                                     |
| Life expectancy             | 300 >80 % of initial capacity | 0.5C charge / 0.5C Discharge (20°C) |
| Relative humidity           | ≤75 % RH                      |                                     |
| Ambient temperature         | 23°C ±2°C                     |                                     |
| Operating temperature range |                               |                                     |
| charge                      | 10°C ~ +45°C                  |                                     |
| discharge                   | -20°C ~ +60°C                 |                                     |
| Storage temperature         | 0°C ~ +25°C                   |                                     |

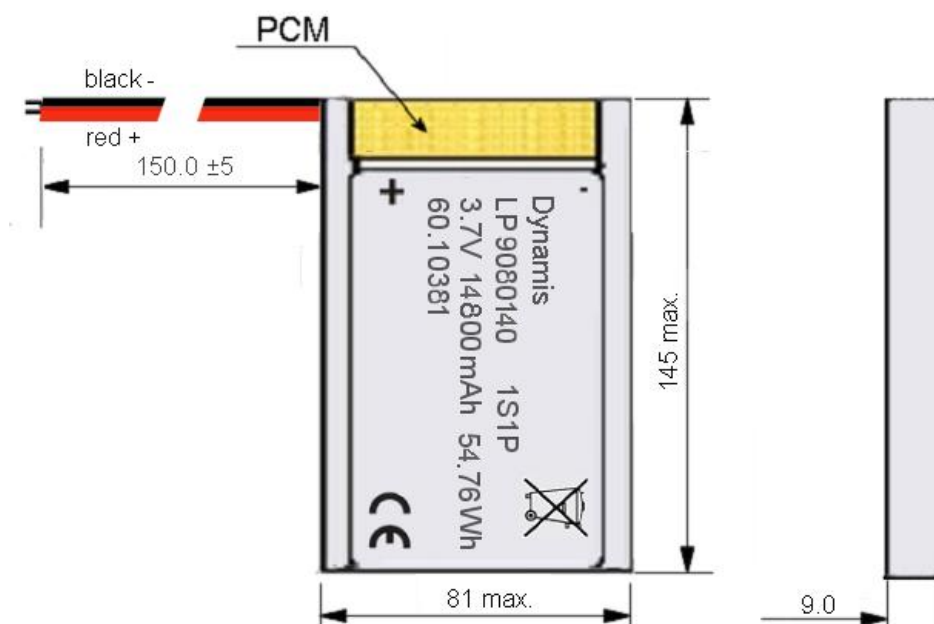
#### PCM data

|                                  |                                                                             |                                                |
|----------------------------------|-----------------------------------------------------------------------------|------------------------------------------------|
| Overcharge protection            | Overcharge detection voltage                                                | 4.250 V ±0.020 V<br>(Delay time 1000 ±300 mS)  |
|                                  | Overcharge release voltage                                                  | 4.250 V ±0.060 V                               |
| Overdischarge protection         | Overdischarge detection voltage                                             | 2.800 V ±0.0555 V<br>(Delay time 128 ±38.4 mS) |
|                                  | Overdischarge release voltage                                               | 3.000 V ±0.080 V                               |
| Overdischarge current protection | Overcharge detection current                                                | 12.5 – 17.5 A<br>(Delay time 16.0 – ±4.8 mS)   |
|                                  | Charging overcurrent protection                                             | 12.5 – 17.5 A<br>(Delay time 280 ±84 mS)       |
|                                  | Release condition                                                           | Cut load                                       |
| Short circuit protection         | Normal current consumption of PCM                                           | max. 6 µA                                      |
|                                  | Suggest working conditions<br>Max. continuous charge /<br>discharge current | charge 8 A<br>discharge 8 A                    |

### Physical characteristics

|           |             |                    |
|-----------|-------------|--------------------|
| Length    | max. 145 mm |                    |
| Width     | max.81 mm   |                    |
| Thickness | max. 9.0 mm | after cycling +8 % |
| Weight    | 300 ±15 g   |                    |

### Drawing:



### Delivery Status

|                  |             |
|------------------|-------------|
| Battery Voltage  | 3.7 – 3.9 V |
| Battery Capacity | tbd         |

### Warning

- Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures.
- Do not short or install with incorrect polarity.
- Replace battery with DYNAMIS Batterien – 60.16728 only.  
Use of another battery may present a risk of fire or explosion.
- Caution – The battery used in this device may present a risk of fire or chemical burn if mistreated.  
Do not disassemble, heat above 100°C, or incinerate.
- Dispose of used battery promptly. Keep away from children.  
Do not disassemble and do not dispose of in fire.
- Do not exceed the maximum charging voltages, currents and temperatures listed above.

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