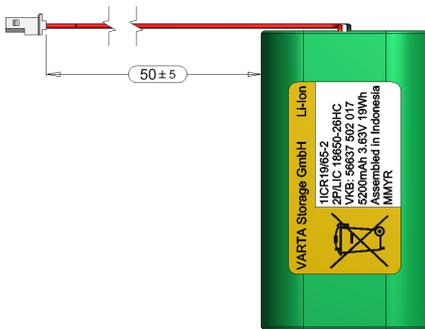


# Product Information



2P/LIC 18650 26 HC PCM S WC

▶ VKB 56637 502 017



|                    |  |
|--------------------|--|
| VARTA Storage GmbH | Li-Ion   |
|                    | 1ICR19/65-2<br>2P/LIC 18650-26HC<br>VKB: 56637 502 017<br>5200mAh 3.63V 19Wh<br>Assembled in Indonesia<br>MMYR |

MM ▶ month two digits  
Y ▶ year one digit  
R ▶ VARTA internal one digit

## 1. GENERAL

Li-Ion Battery Pack in shrink sleeve incl. safety circuit, wires and connector

|               |                                  |
|---------------|----------------------------------|
| Cell          | ▶ LIC 18650-26 HC                |
| PCM           | ▶ Yes                            |
| NTC           | ▶ 10kΩ ± 3%; B-value: 3435K ± 3% |
| ID            | ▶ None                           |
| Configuration | ▶ 2P                             |
| Weight        | ▶ appr. 95g                      |

## 2. ELECTRICAL SPECIFICATION

|  |                                       |
|--|---------------------------------------|
| Rated Capacity                           | ▶ 5100mAh min., 5200mAh nominal       |
| Nominal Voltage                          | ▶ 3.63V                               |
| Watt-Hour Rating                         | ▶ 19Wh                                |
| Charging Method                          | ▶ Constant Current + Constant Voltage |
| Max. Charge Voltage [V]:                 | ▶ 4.2 (±50mV)                         |
| Max. Continuous Charge Current:          | ▶ 2500mA (limited by PCM)             |
| Rec. Charge Cut Off:                     | ▶ 0.05C or timer 3h                   |
| Max. Continuous Discharge Current:       | ▶ 2500mA (limited by PCM)             |
| Rec. Discharge Cut Off:                  | ▶ 2.75V                               |
| Internal Impedance:                      | ▶ approx. 100mΩ                       |
| Expected Cycle Life @ (0.5C/0.5C) @ 25°C | ▶ 300 cycles @ ≥ 3570mAh              |

## CELL PROTECTION

|                                     |   |
|-------------------------------------|---|
| Overcharge Detection                | ▶ 4.250V ± 4.300V<br>(0.6 to 1.3sec. delay, auto release) |
| Overdischarge Detection:            | ▶ 2.220V ± 2.380V<br>(60 to 130msec. delay, auto release) |
| Overcurrent Detection @ charging    | ▶ 3.6A to 7.0A (15 to 33msec. delay)                      |
| Overcurrent Detection @ discharging | ▶ 4.0A to 6.3A (9.8 to 22msec. delay)                     |

## 3. AMBIENT CONDITIONS

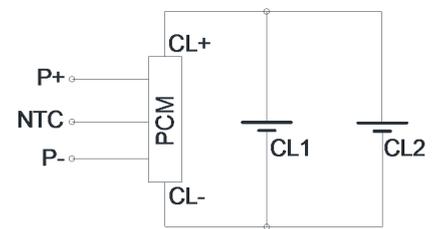
|                                 |                                    |
|---------------------------------|------------------------------------|
| Temperature Range               | ▶ 0 to +45°C                       |
| • Charge                        | ▶ -20 to +60°C                     |
| • Discharge                     | ▶ 1 year at -20 to +25°C > 80%     |
| • Charge Retention/ Storage [%] | ▶ 3 months at -20°C to +45°C > 80% |
|                                 | ▶ 1 month at -20°C to +60°C > 80%  |
| • Humidity                      | ▶ 65 ± 20%RH                       |

## 4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.  
The cell used is a UL recognized component according to UL1642.  
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.  
This battery is certified according to IEC62133 edition 2 and UN 38.3.

Minimum Order Quantity: 400 pcs / Order Multiples: 50 pcs - Product for OEM customers only!

## Circuit Diagram



LIC 18650-26HC (2X)

