

# Product Information

2P/LPP503562 S PCM PC  
EZPack XL ▶ VKB 56456 702 099



**VARTA EasyPack**  
Rechargeable Li-Polymer  
EZPack XL  
56456 702 099 - 11CP5/35/62-2  
3.7V 2400mAh 8.9Wh

Do not: incinerate, disassemble, short terminals, expose to high temp. above 140°F (60°C), risk of fire, explosion

VARTA Microbattery GmbH  
Assembled in Indonesia

CE, RoHS, MMYR

MM ▶ month two digits  
Y ▶ year one digit  
R ▶ week of month one digit

## 1. GENERAL

- Battery with safety circuit and plastic housing
- Cell ▶ LPP 503562 S
  - PCM ▶ Yes
  - NTC ▶ 10 kΩ ±1%; B-Value 3435K ±1%
  - ID ▶ 24 kΩ ±1%
  - Configuration ▶ 2P
  - Weight ▶ appr. 48g

## 2. ELECTRICAL SPECIFICATION

- Rated Capacity ▶ 2300mAh min., 2400mAh typical
- Nominal Voltage ▶ 3.7V
- Watt-Hour Rating ▶ 8.6Wh
- Charging Method ▶ Constant Current + Constant Voltage
- Max. Charge Voltage: ▶ 4.2V
- Max. Continuous Charge Current: ▶ 2300mA
- Rec. Charge Cut Off: ▶ by current 23mA or time 3.5h
- Max. Continuous Discharge Current: ▶ 3200mA (limited by PCM)
- Rec. Discharge Cut Off: ▶ 3V
- Internal Impedance: ▶ approx. 68mΩ
- Expected Cycle Life @ (1C/1C) @23 ±5°C ▶ >500 cycles >70% of initial cap.

## CELL PROTECTION

- Overcharge Detection ▶ 4.3 ±0.02V (0.8 to 1.2sec. delay, release 4.1V ±0.03V)
- Overdischarge Detection: ▶ 2.40V ±0.035V (76.8 to 115.2msec. delay, release remove load & charging current)
- Overcurrent Detection ▶ 3.2A to 5.2A (9.6 to 14.4msec. delay)

## 3. AMBIENT CONDITIONS

- Temperature Range
  - Charge ▶ 0 to +45°C
  - Discharge ▶ -20 to +60°C
  - Storage
    - ▶ Less than 1 month at at -20 to +60°C
    - ▶ Less than 3 months at -20°C to +45°C
    - ▶ Less than 1 year at -20°C to +30°C
- Humidity ▶ 65 ± 20%RH

## 4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.  
The cell is approved according UL1642 and UN 38.3 certified.  
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.  
This battery is UL recognized and is certified according to IEC 62133 edition 2 (pending).

Minimum Order Quantity: 300 pcs / Order Multiples: 60 pcs - Product for OEM customers only!

## Protection Circuit Module

