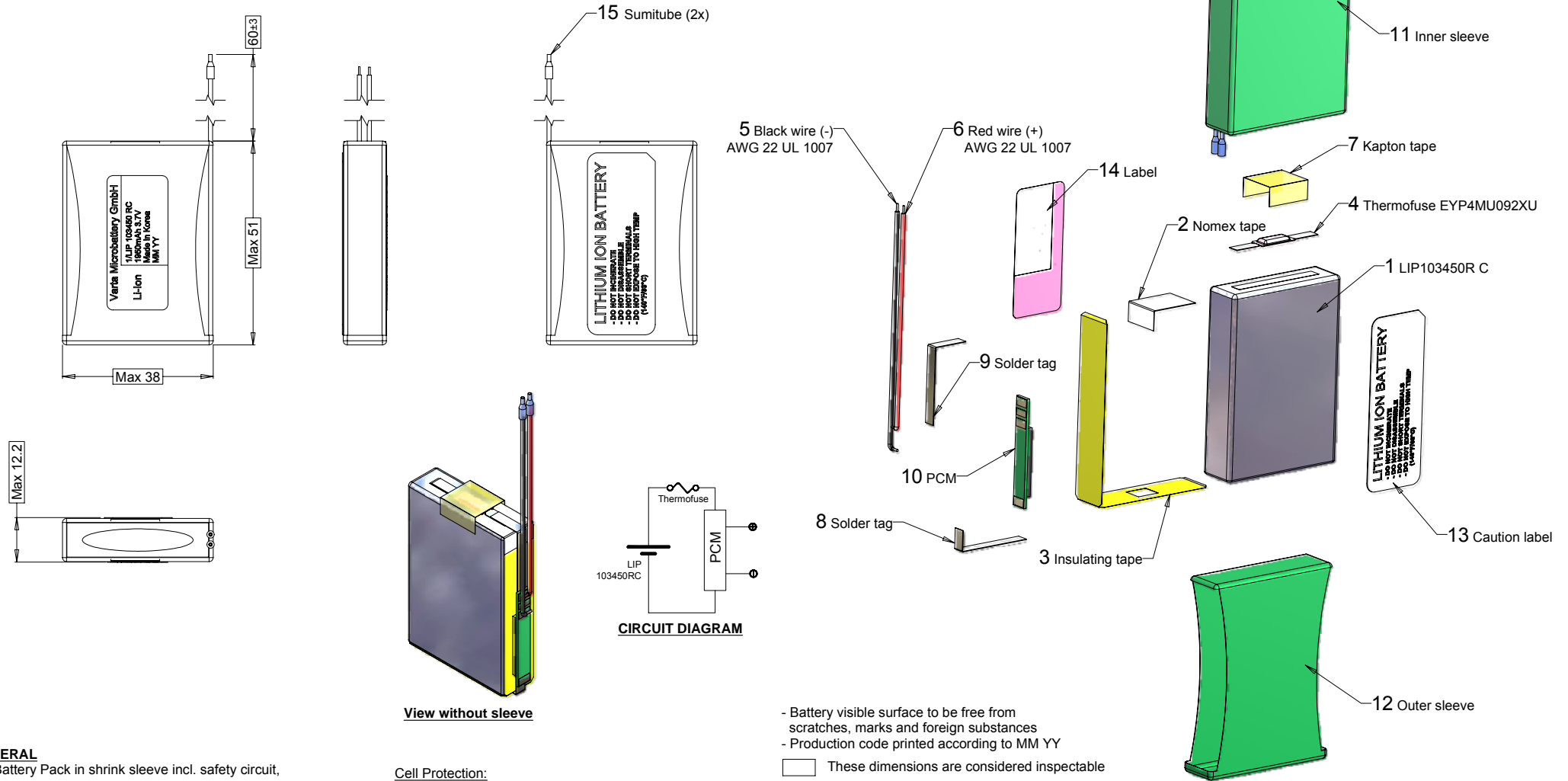


# VARTA Microbattery

mobility for you

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View without sleeve

## 1. GENERAL

Li-Ion Battery Pack in shrink sleeve incl. safety circuit, wires  
 Weight: appr. 42g  
 Cell: LIP 103450R C  
 PCM: PCM 310  
 PLH 1648C2

NTC: None  
 Thermofuse EYP4MU092XU  
 Configuration: 1s

## 2 Electrical Specification

Capacity: 1900mAh min, 1950mAh typical  
 Nominal Voltage: 3.7V  
 Max. Operating Voltage Range: 2.75V to 4.2V (3.0V recommended)  
 Max. Continuous Charge Current: 1800mA (limited by PCM)  
 Max. Continuous Discharge Current: 1800mA (limited by PCM)  
 Internal Resistance: AC (1kHz) approx. 120mΩ  
 Exp. Cycle Life:>300 cycles> 80% of initial cap. (0.5C/0.5C)

## Cell Protection:

Overcharge Detection: 4.300V ± 20mV  
 (0.8 to 1.2sec. delay, resume 4.100V ± 30mV)  
 Overdischarge Detection: 2.400V ± 35mV  
 (76.8 to 115.2msec. delay, resume 2.400V ± 35mV)  
 Overcurrent Detection: 3.5A to 5.5A (9.6 to 14.4msec. delay)

## 3. Ambient Conditions

Temperature Range  
 -Charge: 0 to +45°C  
 -Discharge: -20 to +60°C  
 -Charge Retention/Storage [%]: 1 year at -20 to 20°C  
 3 month at -20 to 45°C  
 1 month at -20 to 60°C

Humidity: 65 ± 20%RH

## 4. Safety

Please follow Li-Ion Handling and Safety Precautions

- Battery visible surface to be free from scratches, marks and foreign substances
- Production code printed according to MM YY

These dimensions are considered inspectable

No	AO No	Revisions	Date	Name
1	V096/06	Exchange wire description	2006-09-13	Didit
0	L051/06	Refer to preliminary drawing #P26-10033 rev. 000	2006-08-14	Didit

Customer:	Material: Refer to part list #695641	Description: <b>1/LIP103450R C PCM S W</b> with PCM, sleeve and wires
Projection:		
Dimensions in mm	Prepared & Checked	Verified & Approved
Tolerance: ISO 2768-m	2006-08-09	Didit
Scale: 1:1 in A3	Dwg. No: <b>695641</b>	
		VKB Order No: <b>56420 201 014</b>

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