Easy Pack XL

VARTA

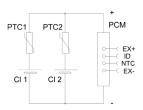
3.7 V | 2,400 mAh nominal | 8.9 WH | VKB: 56456 702 099, 56456 702 012





MM: month two digits | Y: year one digit | R: week one digit

Circuit Diagram



GENERAL (Battery with safety circuit and plastic housing)

 $\begin{array}{lll} \text{Cell} & & \text{LPP 503562 S} \\ \text{PCM} & & \text{Yes} \\ \text{NTC} & & 10 \text{ k}\Omega \pm 1 \text{ %; B-value 3,435 K} \pm 1 \text{ %} \\ \text{ID} & & 24 \text{ k}\Omega \pm 1 \text{ %} \\ \text{Configuration} & & 2P \\ \text{Weight} & & \text{Approx. 48 g} \\ \end{array}$

ELECTRICAL SPECIFICATION

37 V Nominal voltage 2,300 mAh min., 2,400 mAh nominal Rated capacity at (0.5 C / 0.2 C), 23 $^{\circ}$ C \pm 5 $^{\circ}$ C 8 9 Wh Watt-hour rating Charging method Constant current + constant voltage Max. charge voltage 4.2 V 2,300 mA Max. continuous charge current Rec. charge cut off By current 23 mA or timer 3.5 h Max. continuous discharge current 3,200 mA (limited by PCM)

3 V

Approx. 68 mΩ

≥ 500 cycles ≥ 70 %

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CELL & BATTERY PROTECTION

Exp. cycle life at (1.0 C / 1.0 C), 23 $^{\circ}$ C \pm 5 $^{\circ}$ C

Rec. discharge cut off

Internal impedance

Overcharge detection $\begin{array}{ll} 4.3 \ V \pm 0.02 \ V \ (0.8 \ sec. \ to \ 1.2 \ sec. \ delay, \ release \ 4.1 \ V \pm 0.03 \ V) \\ 2.4 \ V \pm 0.035 \ V \ (76.8 \ msec. \ to \ 115.2 \ msec. \ delay, \ remove \ loader \ and \ charging \ current) \\ 3.2 \ A \ to \ 5.2 \ A \ (9.6 \ msec. \ to \ 14.4 \ msec. \ delay) \\ \end{array}$

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-10 °C to +60 °C
Storage	1 month at -20 °C to +60 °C ≥ 80 %
	3 months at -20 °C to +45 °C \geq 80 %
	1 year at -20 °C to +30 °C ≥ 80 %
Humidity	0 to 85 RH %

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for Lilon & LiPolymer.

The cell used is a UL recognized component according to UL1642 and IEC62133-2 and IEC62133 ed.2 certified.

 $\label{thm:compliant:com$

The battery is UL 2054 listed and certified according to IEC6213 3-2, IEC62133 ed.2 and UN38.3.

36,6±0,2