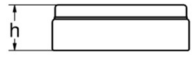
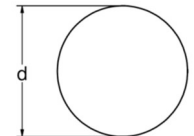



Data Sheet – CP1250 A4X (CoinPower®)¹

	<p>Type Designation CP1250 A4X Type Number 63121 VKB Number 63121 101 501 Cell Code INR1250 System Graphite – layered metal oxide (LiNi_xMn_yCo_zO₂) UL Recognition MH13654 WERCSmart ID 1703758 Nominal Voltage [V] 3.7 (average) (3,62V min) Typical Capacity [mAh] 64 (at 0.1C from 4.3 V to 3.0 V at RT) Nominal Capacity [mAh] 62 (at 0.2C from 4.3 V to 3.0 V at RT) Minimum Capacity C [mAh] 60 (at 0.2C from 4.3 V to 3.0 V at RT)</p>
	<p>Dimensions [mm] (without Tags) Diameter 12.1 +0.0/-0.3 Height 5.0 +0.1/-0.1 Weight. approx [g] 1.6 +0.2/-0.2</p>
	<p>Charging Method Constant Current + Constant Voltage Charge Voltage [V] 4.30 ± 0.05 Initial Charge Current [mA] Standard Charge²: 30 Fast Charge²: 60 Rapid Charge³: 120</p>
	<p>Charging Cut-Off (a) or (b) a) by time [h] Standard Charge: 5 Fast/Rapid Charge: 3 b) by min current [mA] 1.2</p>
	<p>Discharge Cut-Off Voltage [V] 3.0 Max. Pulse Discharge Current [mA] 180 @ 2s Max. Continuous Discharge Current [mA] 120</p>
	<p>Operating Temperature [°C] Charge: 0 to 45 Discharge: -20 to 60</p>
	<p>Cell Surface Temperature [°C] 60</p>
	<p>Storage Temperature 1 Year at -20 to 20 °C > 90 Capacity Recovery Rate⁴ [%] 3 Month at -20 to 45 °C > 90 1 Month at -20 to 60 °C > 85</p>
	<p>Impedance Initial [Ω] < 0.5 @ 1kHz</p>
	<p>Cycle Life 0.5C/0.5C, 20 °C⁵ [Cycles] >500 (> 80% of C_{ini})</p>
	<p>Safety UN 38.3 passed relevant tests acc. IEC 62133 passed</p>
	<p>Internal Approval Overcharge Test (4.8V, 3C, 12h) passed</p>

¹ Recommendations regarding Charging/Discharging and Safety (cf. Handling Precautions/Advanced Product Information) have to be accepted. Cell must not be used without external safety electronics (PCM – Protection Circuit Module)! The CoinPower cell may exclusively be used for the intended purpose. For medical applications please contact VARTA Microbattery. This product is protected by patents, please see: www.varta-aq.com/patents

² "CoinPower A4-Version Charging Document" must be observed.

³ "CoinPower A4-Version Charging Document" must be observed. Max. charging voltage: 4.00V ± 0.05V; min. charging temperature: 20°C.

⁴ After storage at initial cell voltage of 3.6 to 3.7 V / cell

⁵ typical values



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