

Data Sheet – CP 0854 A3 (CoinPower®)¹

Type Designation	CP 0854 A3
Type Number	63854
Cell Code	ICR8454
System	Graphite – layered metal oxide ($\text{LiNi}_x\text{Mn}_y\text{Co}_z\text{O}_2$)
UL Recognition	MH13654
Nominal Voltage [V]	3.7 (average)
Typical Capacity C [mAh]	25 (at 0.2C from 4.2 V to 3.0 V at 20 °C)



Dimensions [mm] (without Tags)	
Diameter	8.4 +0.1/-0.1
Height	5.4 +0.2/-0.1
Weight. approx [g]	0.9



Charging Method	Constant Current + Constant Voltage
Charge Voltage [V]	4.20 ± 0.05
Initial Charge Current [mA]	Standard Charge: 12.5

Charging Cut-Off (a) or (b)	Standard Charge: 5
a) by time [h]	

b) by min current [mA]	0.5
------------------------	-----

Discharge Cut-Off Voltage [V]	3.0
Max. Pulse Discharge Current [mA]	50 @ 2s
Max. Continuous Discharge Current [mA]	25

Operating Temperature [°C]	Charge: 0 to 45 Discharge: -20 to 60
----------------------------	---

Storage Temperature	1 Year at -20 to 20 °C > 90
Capacity Recovery Rate ² [%]	3 Month at -20 to 45 °C > 90 1 Month at -20 to 60 °C > 85

Impedance Initial [Ω]	< 0.7 @ 1kHz
-----------------------	--------------

Cycle Life 0.5C/0.5C, 20 °C ³ [Cycles]	>500 (> 85% of C _{ini})
---	-----------------------------------

Safety	UN 38.3 passed relevant tests acc. IEC 62133 passed
--------	--

Internal Approval	
Overcharge Test (12V, 3C, 12h)	passed

Distributed by:



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 at least one of the following patents: US 6265100 B1, US 6066184 A, US 9178251 B2, US 9231281 B2, US 8586232 B2, US 9153835 B2, CN 102318122 B, CN 102804473 B, EP 2628203 B1, EP 2443691 B1, EP 2415101 B1, EP 2394324 B1, JP 5767115 B2, DE 19647593 B4.

² After storage at initial cell voltage of 3.6 to 3.7 V / cell

³ typical values

The Netherlands



Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
F: +31 (0)53 573 33 30
E: nl@texim-europe.com

Belgium



Zuiderlaan 14 bus 10
B-1731 Zellik

T: +32 (0)2 462 01 00
F: +32 (0)2 462 01 25
E: belgium@texim-europe.com

UK & Ireland



St. Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
F: +44 (0)845 299 22 26
E: uk@texim-europe.com

Germany North



Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
F: +49 (0)4106 627 07-20
E: germany@texim-europe.com

Germany South



Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
F: +49 (0)89 436 086-19
E: germany@texim-europe.com

Austria



Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
F: +43 (0)662 216 026-66
E: austria@texim-europe.com

Nordic region



Sdr. Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
F: +45 88 20 26 39
E: nordic@texim-europe.com

General information



info@texim-europe.com
www.texim-europe.com