

VARTA CoinPower

Leading the way in Li-Ion
coin cell technology.



www.varta-ag.com/coinpower



Empowering independence.

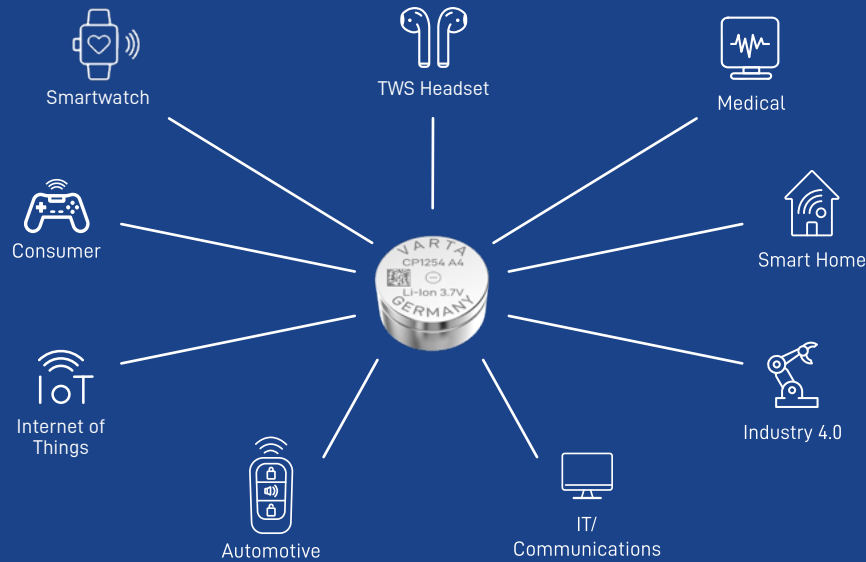
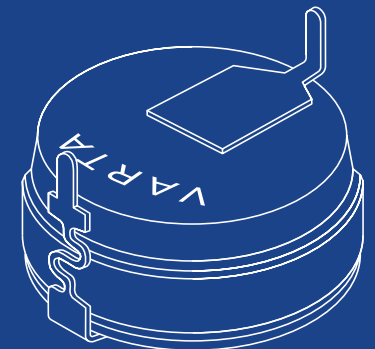
VARTA provides dedicated energy solutions for high-tech applications. Our concepts for an independent power source always make a difference thanks to their durability, reliability and innovative possibilities. VARTA has been setting standards for years. The demands for battery solutions of the future are clear: smaller, lighter, safer, more energy and fast charge. We keep pace. Our battery solutions open up new horizons for designers and engineers to empower more independence.

The VARTA CoinPower series have the smallest dimensions, outstanding mechanical stability and highest energy densities which make the miniaturization of the latest wearable devices possible. The premium lithium-ion cells are "Made in Germany" using 100% renewable energy on highly automated production lines.

Customization for individual needs.

As experts in battery development and electronics, we realize customer-specific, tailor-made energy solutions as well as the necessary connections optimized for design and application.

From various wired options to thin wires to different tag options like THT and SMD, we are able to offer the right solution for every need. Our globally operating design-in teams assist in designing your battery solution. Our fast and flexible order production allows us to deliver your individual batteries worldwide at short notice in line with your requirements.



TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
A-Version						
CP1654 A4X	63165	3.7	145	16.1	5.4	3.2
CP1454 A4X	63145	3.7	108	14.1	5.4	2.4
CP1254 A4X	63125	3.7	74	12.1	5.4	1.6
CP1254 A5X	63125	3.7	80*	12.1	5.4	1.6
CP1250 A4X	63121	3.7	62	12.1	5.0	1.6
CP1240 A4X	63124	3.7	50	12.1	4.0	1.3
CP1054 A5X	63105	3.7	49	9.4	5.4	0.8
CP9440 A4X	63094	3.7	29	9.4	4.0	0.8
C-Version						
CP1054 C1	65105	3.85	48	10.1	5.4	1.2
F-Version						
CP7840 F1	68074	3.3	12.2	7.8	4.0	0.5

Further types on request.

*tentative values

VERSION

A



NMC Technology

VERSION

C



LCO Technology

VERSION

F



LFP Technology

Key benefits

- Excellent cycle life performance
- Charging rate 2C
- Maximum-charge voltage: Generation A3: 4.2 V Generation A4/A5: 4.3 V

Key benefits

- Highest charging capabilities
- Charging rate 5C
- Maximum charge voltage: 4.45 V

Key benefits

- Most reliable inherent safety
- Charging rate 0.5C
- Maximum charge voltage: 3.6 V

COINPOWER

QUALITY - MADE IN GERMANY

- Standard and customized form factors
- Market leading energy density
- Wide capacity range
- Patented innovations
- Best-in-class product life
- Safe & reliable (UL and IEC recognition)
- Low internal impedance
- Excellent charge and discharge characteristics
- High drain capability
- 2D-Datamatrixcode (cell traceability)
- Charge for a moment, use four hours... ready-to-go in 15 minutes
- Top quality performance
- Robust high mechanical stability

Applications

- TWS headset
- Fitness tracker
- Smart watch
- Smart key/Key fob
- Smart patch
- Health monitoring
- Sleepbuds
- Energy harvesting
- Sensors (IoT, security, medical, industry)
- Gaming, AR/VR





Contact

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INDONESIA Batam
JAPAN Tokyo
ROMANIA Brasov
TAIWAN Taipei City
USA New York

Find out further distribution partners and contact details:
<https://www.varta-ag.com/industry>

VARTA Microbattery GmbH is a company of VARTA AG.