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The new CoinPower A4 Generation.

Expanding horizons of engineering.

We minimize to maximize your opportunities.



www.varta-ag.com/explore-e4



VARTA

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Welcome to the future.

Empowering your business.

The new VARTA CoinPower A4 offers countless opportunities for future-engineering of wireless and mobile gear. The **CoinPower A4** enables a wide range of applications covering a broad spectrum from wireless headsets, medical devices and automotive applications to measurement and safety systems.

Choose 130 years of experience and reliability.

VARTA is a leading, international manufacturer of microbatteries with more than 130 years of experience. We count some of world's most important companies as our customers and produce batteries in many important electrochemical systems as well as in all major types and sizes. Through intensive research and development, VARTA sets global standards in the microbattery sector and is recognized innovation leader of the Lithium-Ion technology.

Rechargeable Button Cells (Li-Ion) CoinPower

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
Main types						
CP 1654 A4	63165	3.7	155	16.1	5.4	3.2
CP 1454 A4	63145	3.7	114	14.1	5.4	2.4
CP 1254 A4	63125	3.7	77	12.1	5.4	1.6
CP 1250 A4	63121	3.7	62	12.1	5.0	1.6
CP 1240 A4	63124	3.7	55	12.1	4.0	1.2
Special types						
CP 9454 A4	63095	3.7	41	9.4	5.4	1.0
CP 9440 A4	63094	3.7	29	9.4	4.0	0.8

Further types on request



Markets

We are active in the markets of wearable technologies, medical and healthcare, Internet of Things, sensors for smart home and smart city, as well as industry 4.0.

Key Features – Benefits of A4-Generation

- New horizons of engineering with the highest energy density to date
- 2D-Datamatrixcode (cell traceability)
- Wider voltage window: optimized electrodes, higher compression, new electrode balancing enhanced chemistry for high charge voltage
- Optimized cell design for more active material
- Increasing comfort by smaller designs and lighter products for end-users
- Charge for a moment, use for hours... ready-to-go in 15 minutes
- Top quality performance
- Cost savings on your assembly stage of the application production
- Standardized design process saves time and costs
- Best-in-class product life
- Robust high mechanical stability

Applications

- Bluetooth headset
- Smart key/Key fob
- Energy harvesting backup
- Fitness tracker
- Sensors (security, medical)
- Wireless networks
- Smart watch

Quality – Made in Germany

- Key innovations for wearables
- With capacities from 29 mAh to 155 mAh
- Low internal impedance
- High drain capability
- No memory effect
- Long life time
- Excellent charge and discharge characteristics
- 0% lead, 0% mercury and 0% cadmium
- Safe and reliable (UL recognition)
- Battery designs in various assemblies or direct contacting
- Produced on highly automated production lines

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