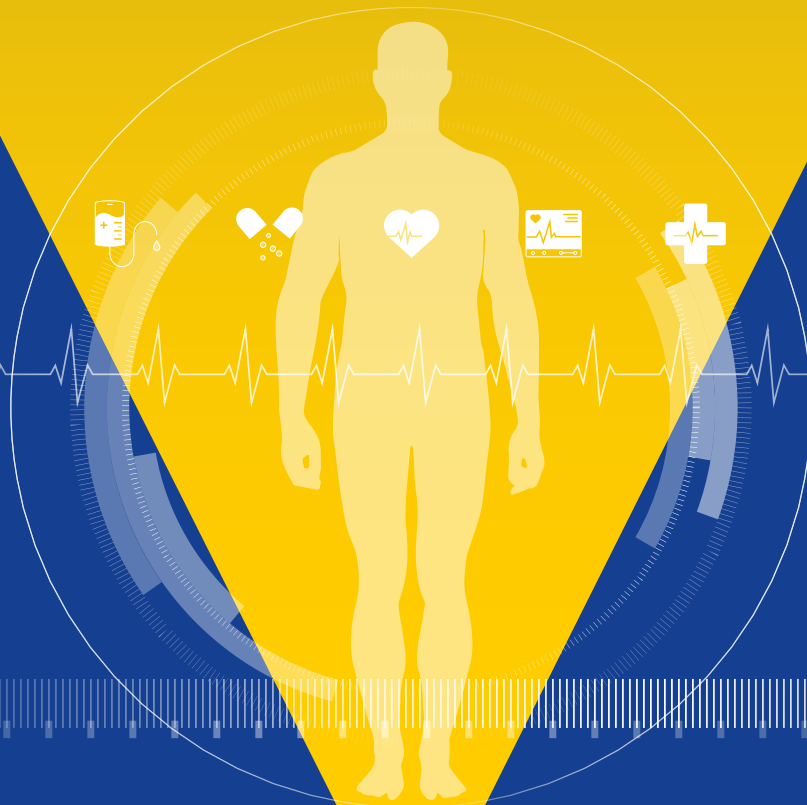


# Empowering Independence in Medical Health



[www.varta-ag.com/medical](http://www.varta-ag.com/medical)



**VARTA**

# VARTA provides a full program of various technologies for medical devices

VARTA energy solutions for medical applications offer the best quality along the complete production process and highest safety standards. We can provide top battery performances with our standard and customized battery solutions for various applications.

## Your benefits for professional medical applications:

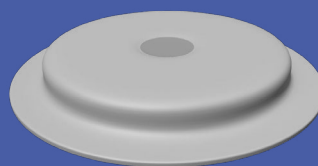
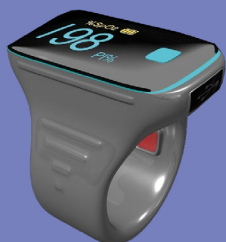
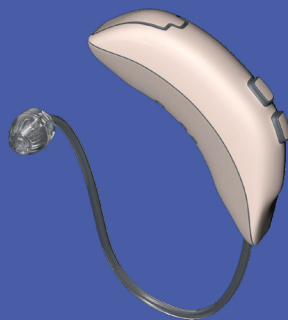
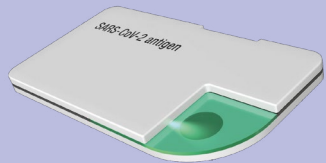
- Strong premium brand to support professional use
- High-level and safe products
- Best quality control
- UL recognition for all lithium button cells
- Top performance with a wide temperature range
- Superior shelf life and operational life time
- Low self discharge
- Resistance to corrosive environments
- Standard and customized battery solutions
- Wide range of application knowledge



# VARTA is your companion in medical health from childhood to adulthood.

## APPLICATION EXAMPLES

- Insulin Pad
- Insulin Pump
- Glucose Monitoring
- Drug Delivery Device
- Smart Baby Monitoring
- Fall Detection System
- Smart Pill
- Smart Cam
- Dental Appliances
- Blood Pressure Monitoring
- Diagnostic Devices
- Smart Patch (i. e. Wound Healing etc.)
- Sleep Buds
- Digital Thermometer
- Smart Inhaler
- Defibrillator
- Narcotic Vaporiser
- Ventilator
- COVID 19 Antigen Test
- Wearable Sensors
- TENS (Transcutaneous Electrical Nerve Stimulation)
- Scale
- Implants
- Hearing Aid





# Products

## Primary Batteries

### Silver Oxide Button Cells (Ag<sub>2</sub>O)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
<b>Mercury-free</b>								
V 301 MF	20301	1.55	82	11.6	4.20			1.78
V 303 MF	20303	1.55	160	11.6	5.40			2.33
V 309 MF	20309	1.55	73	7.9	5.40			1.08
V 315 MF	20315	1.55	20	7.9	1.65			0.33
V 317 MF	20317	1.55	10.5	5.8	1.60			0.18
V 319 MF	20319	1.55	21	5.8	2.66			0.29
V 321 MF	20321	1.55	14.5	6.8	1.65			0.25
V 329 MF	20329	1.55	37	7.9	3.10			0.60
V 335 MF	20335	1.55	6	5.8	1.25			0.15
V 337 MF	20337	1.55	9	4.8	1.65			0.13
V 339 MF	20339	1.55	12	6.8	1.40			0.21
V 341 MF	20341	1.55	15	7.9	1.45			0.28
V 344 MF	20344	1.55	105	11.6	3.60			1.49
V 346 MF	20346	1.55	10	7.9	1.29			0.30
V 350 MF	20350	1.55	105	11.6	3.60			1.49
V 357 MF	20357	1.55	145	11.6	5.40			2.33
V 361 MF	20361	1.55	22	7.9	2.10			0.40
V 362 MF	20362	1.55	21	7.9	2.10			0.40
V 364 MF	20364	1.55	17	6.8	2.15			0.31
V 370 MF	20370	1.55	30	9.5	2.10			0.57
V 371 MF	20371	1.55	30	9.5	2.10			0.61
V 373 MF	20373	1.55	28	9.5	1.60			0.50
V 377 MF	20377	1.55	21	6.8	2.60			0.34
V 379 MF	20379	1.55	15	5.8	2.15			0.23
V 381 MF	20381	1.55	49	11.6	2.10			0.90
V 384 MF	20384	1.55	37	7.9	3.60			0.69
V 386 MF	20386	1.55	115	11.6	4.20			1.78
V 389 MF	20389	1.55	81	11.6	3.05			1.31
V 390 MF	20390	1.55	59	11.6	3.05			1.32
V 391 MF	20391	1.55	42	11.6	2.10			0.90
V 392 MF	20392	1.55	40	7.9	3.60			0.69
V 393 MF	20393	1.55	77	7.9	5.40			1.08
V 394 MF	20394	1.55	58	9.5	3.60			1.04
V 395 MF	20395	1.55	38	9.5	2.70			0.68
V 396 MF	20396	1.55	32	7.9	2.60			0.55
V 397 MF	20397	1.55	23	7.9	2.60			0.50
V 399 MF	20399	1.55	42	9.5	2.70			0.75

### Lithium Cylindrical Cells (Li-MnO<sub>2</sub>) Hg0%

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
<b>CR mass / bobbin series</b>						
CR 1/2 AA	6127	3.0	950	14.75	25.1	11.5
CR 2/3 AA	6237	3.0	1350	14.75	33.5	15.0
CR AA	6117	3.0	2000	14.75	50.5	21.5
<b>CR coiled series</b>						
CR 2	6206	3.0	850	15.60	27.0	11.0
CR 123 A	6205	3.0	1550	17.00	34.5	17.0
CR 2/3 AH	6215	3.0	1500	17.00	33.5	17.0
CR 1/2 AAH-R	6213	3.0	850	14.22	25.0	9.0
CR 2/3 AH-R	6214	3.0	1600	17.00	33.5	17.0
CR AH-R	6217	3.0	2400	17.00	45.0	23.0

### Lithium Button Cells (Li-MnO<sub>2</sub>)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
<b>CR coin series</b>						
CR 1216	6216	3.0	27	12.5	1.6	0.7
CR 1220	6220	3.0	35	12.5	2.0	0.8
CR 1616	6616	3.0	55	16.0	1.6	1.2
CR 1620	6620	3.0	70	16.0	2.0	1.2
CR 2016	6016	3.0	90	20.0	1.6	1.8
CR 2025	6025	3.0	165	20.0	2.5	2.5
CR 2032	6032	3.0	230	20.0	3.2	3.0
CR 2430	6430	3.0	300	24.5	3.0	4.0
CR 2450	6450	3.0	620	24.5	5.0	6.2

### Alkaline Cylindrical Cells VARTA INDUSTRIAL PRO

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
<b>LR 3</b>								
Micro/AAA/AM 4	04003	1.5	1270	10.5	44.5			11
<b>LR 6</b>								
Mignon/AA/AM 3	04006	1.5	2970	14.5	50.5			23
<b>LR 14</b>								
Baby/C/AM 2	04014	1.5	7800	26.0	50.0			69
<b>LR 20</b>								
Mono/D/AM 1	04020	1.5	17000	34.0	61.0			141
<b>6 LR 61</b>								
E-Block/6 AM 6	04022	9.0	640		17.5	48.5	26.5	46

# Rechargeable Batteries

## Rechargeable Button Cells (Li-Ion) CoinPower

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
<b>A-Version</b>								
CP1654 A4	63165	3.7	155	16.1	5.4			3.2
CP1454 A4	63145	3.7	114	14.1	5.4			2.4
CP1254 A4	63125	3.7	77	12.1	5.4			1.6
CP1250 A4	63121	3.7	62	12.1	5.0			1.6
CP1240 A4	63124	3.7	55	12.1	4.0			1.2
CP9454 A4	63095	3.7	41	9.4	5.4			1.0
CP9440 A4	63094	3.7	29	9.4	4.0			0.8
<b>C-Version</b>								
CP1254 C1	65125	3.85	78	12.1	5.4			1.8
CP1054 C1	65125	3.85	50	10.1	5.4			1.2
<b>F-Version</b>								
CP7840 F1	68074	3.3	12.2	7.8	4.0			0.5

Further types on request

## Rechargeable Button Cells (NiMH)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
<b>V...H robust</b>								
V 15 H	55602	1.2	16	11.5	3.10			1.30
V 40 H	55604	1.2	43	11.5	5.35			1.70
V 80 H	55608	1.2	80	15.5	6.00			4.00
V 150 H	55615	1.2	150		5.85	14.1	25.6	6.00
V 200 H	55620	1.2	210		7.40	14.1	25.6	7.00
V 250 H	55625	1.2	250	25.1	6.70			10.00
CP 300 H	55630	1.2	300	25.1	7.55			11.00
<b>V...HT robust85C</b>								
V 65 HT	55707	1.2	70	15.5	6.00			4.00
V 150 HT	55716	1.2	150		5.85	14.1	25.6	6.00
<b>V...HR powerful</b>								
V 6 HR	55996	1.2	6.2	6.8	2.15			0.28
V 450 HR	55945	1.2	450		5.60	24.1	34.1	12.50
V 600 HR	55960	1.2	600		6.80	24.1	34.1	14.50
<b>V...HRT powerful85C</b>								
V 18 HRT	55802	1.2	19	11.5	2.30			0.90
V 150 PT	55815	1.2	150		3.60	24.1	34.1	7.50
V 500 HT	55750	1.2	510		6.60	24.2	34.1	14.00
V 550 HRA	55855	1.2	550		6.80	24.1	34.1	14.50
V 600 HRT	55860	1.2	600		6.80	24.1	34.1	14.50

Not all product types are available at the time of printing.  
Voltage and Capacity indicated refer to nominal and typical values respectively.

## 9V Battery (NiMH)

V 7/8 H ECO	05522	8.4	150		15.7	48.5	26.6	47.0
V 7/8 H ULTRA	05622	8.4	150		15.7	48.5	26.6	47.0

## Lithium-Ion Batteries VARTA INDIVIDUALS

- Design-in solution
- Different geometric footprints in a capacity range from 45 mAh to 360 mAh

# Hearing Aid Batteries

## power one

### Mercury-free

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
p675	24600	1.45	650	11.6	5.4	1.85
p312	24607	1.45	170	7.9	3.6	0.58
p13	24606	1.45	300	7.9	5.4	0.83
p10	24610	1.45	100	5.8	3.6	0.30
IMPLANT plus 675	24602	1.45	540	11.6	5.4	1.85

### Rechargeable

p675 ACCU plus	54600	1.20	68	11.6	5.4	2.00
p312 ACCU plus	54607	1.20	21	7.9	3.6	0.60
p13 ACCU plus	54606	1.20	28	7.9	5.4	0.90
p10 ACCU plus	54610	1.20	11	5.8	3.6	0.30

## ecopack

### Mercury-free

675	24600	1.45	620	11.6	5.4	1.85
312	24607	1.45	161	7.9	3.6	0.58
13	24606	1.45	285	7.9	5.4	0.83
10	24610	1.45	95	5.8	3.6	0.30

# Hydrogen Gas Generating Cells (H<sub>2</sub> Cells)\*

### Mercury-free

V 150 H <sub>2</sub> MF	24690	150 ml		11.6	5.5	1.65
V 40 H <sub>2</sub> MF**	24696	40 ml		7.8	5.5	0.85

\* Portable energy independent H<sub>2</sub> gas generating cells

\*\* R&D Samples

For more details see: [www.varta-microbattery.com/top/h2](http://www.varta-microbattery.com/top/h2)

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Representations and distributors in all major countries worldwide.  
Please see webpage.



[www.youtube.com/VARTAMicrobatteryGmbH](https://www.youtube.com/VARTAMicrobatteryGmbH)

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