

Empowering Independence in Medical Health



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:

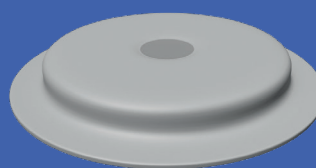
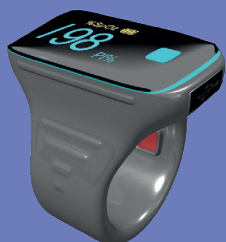
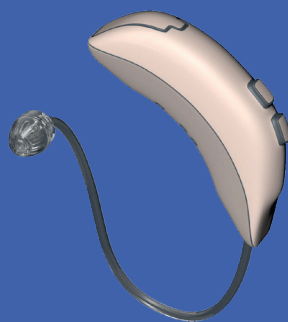
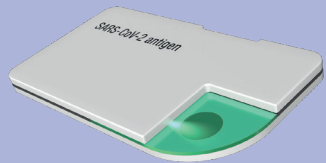
- Strong premium brand to support professional use
- High-level and safe products
- Best quality control
- UL recognition for all lithium button cells
- Top performance with a wide temperature range
- Superior shelf life and operational life time
- Low self discharge
- Resistance to corrosive environments
- 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 (Ag₂O)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
Mercury-free								
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-MnO₂) ^{Hg0%}

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
CR mass / bobbin series								
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
CR coiled series								
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 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-MnO₂)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
CR coin series								
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
CR 1/3 N	6131	3.0	170	11.6	10.8			3.0

VARTA Alkaline INDUSTRIAL PRO

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
LR 03								
Micro/AAA/AM 4	04003	1.5	1270	10.5	44.5			11
LR 6								
Mignon/AA/AM 3	04006	1.5	2970	14.5	50.5			23
LR 14								
Baby/C/AM 2	04014	1.5	7800	26.0	50.0			69
LR 20								
Mono/D/AM 1	04020	1.5	17000	34.0	61.0			141
6 LR 61								
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)
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			1.8
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	10.1	5.4			2.4
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.

Rechargeable Button Cells (NiMH)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
V...H robust								
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
V...HT robust85C								
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
V...HR powerful								
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
V...HRT powerful85C								
V 18 HRT	55802	1.2	19	11.5	2.30			0.90
V 500 HT	55750	1.2	510		6.60	24.2	34.1	14.00
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)

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	CAPACITY (mAh)	DIAMETER (mm)	HEIGHT (mm)	LENGTH (mm)	WIDTH (mm)	WEIGHT (g)
V 7/8 H	05622	8.4	150		15.7	48.5	26.6	47.0
HR 9 V	56722	8.4	200		17.5	48.5	26.5	36.0

Lithium-Ion Batteries VARTA INDIVIDUALS

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

Hearing Aid Batteries

Primary Batteries

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
675	24600	1.45	11.6	5.4	1.83
13	24606	1.45	7.9	5.4	0.83
312	24607	1.45	7.9	3.6	0.58
10	24610	1.45	5.8	3.6	0.30
IMPLANT <i>plus</i>	24602	1.45	11.6	5.4	1.80



Rechargeable Batteries

TYPE DESIGNATION	TYPE NO.	VOLTAGE (V)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
p13 ACCU <i>plus</i>	54606	1.20	7.8	5.4	0.90
p312 ACCU <i>plus</i>	54607	1.20	7.75	3.6	0.60
p10 ACCU <i>plus</i>	54610	1.20	5.8	3.6	0.30



Hydrogen Gas Generating Cells (H₂ Cells)*

Mercury-free

TYPE DESIGNATION	TYPE NO.	GAS VOLUME (ml)	DIAMETER (mm)	HEIGHT (mm)	WEIGHT (g)
V 150 H ₂ MF	24690	150 ml	11.6	5.5	1.65
V 40 H ₂ MF**	24696	40 ml	7.8	5.5	0.85

* Portable energy independent H₂ gas generating cells
** R&D Samples
For more details see: www.varta-microbattery.com/top/h2

Contacts

Headquarters

VARTA Microbattery GmbH
VARTA-Platz 1,
73479 Ellwangen, Germany
Tel +49 7961 921-0
Fax +49 7961 921-2553

Asia Pacific

VARTA Microbattery Pte. Ltd.
300 Tampines Avenue 5,
#05-01 Income
@ Tampines Junction,
529653 Singapore
Tel +65 6 260 58 01
Fax +65 6 260 59 60

Mainland China

VARTA Competence Center Shenzhen
EMEA Consumer Batteries (Shenzhen) Co. Ltd.
No. 1003 Forsafe Technology Building B,
13 GaoXinSouth 1st Rd. Hi-tech Industrial Park,
Nanshan District, Shenzhen City, China
Tel: +86 755 3397 4791

Japan

VARTA Microbattery Japan K.K.
Kyobashi Y'SUS Bldg,
3F.1-6-12, Kyobashi, Chuo-Ku
Tokyo 104-0031, Japan
Tel +81 3 35 67 81 71
Fax +81 3 35 67 81 75

Taiwan Region

VARTA Microbattery Pte. Ltd.
3F No.85, Xinhua 1st Road,
Neihu District Taipei City 114, Taiwan
Tel +886 2 27 90 29 92

USA

VARTA Microbattery Inc.
555 Theodore Fremd Avenue,
Suite C 304 Rye, NY 10580, USA
Tel +1 914 592 25 00
Fax +1 914 345 04 88

Hong Kong SAR of China

VARTA Microbattery Pte. Ltd.
Room 1702-3, 17/F Fullerton Centre
19 Hung to Road, Kwun Tong
Kowloon, Hongkong
Tel +852 28 98 83 73
Fax +852 28 97 76 09

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



WeChat VARTA Microbatty
<http://weixin.qq.com/r/OxNLUx7EkUPurVow90Yp>



LinkedIn VARTA Microbatteries & Solutions
www.linkedin.com/showcase/varta-microbatteries

VARTA Microbattery GmbH is a company of VARTA AG.

www.varta-ag.com