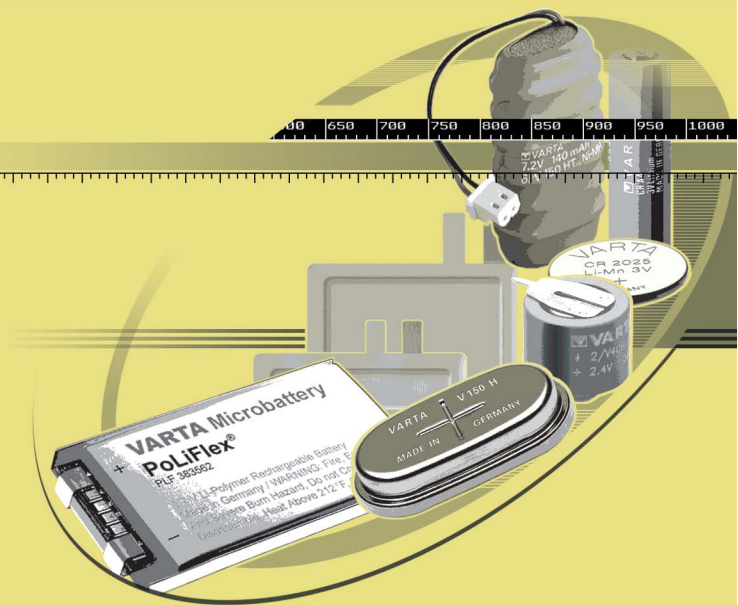


VARTA Microbattery

mobility for you

TECHNICAL INFORMATION

PRODUCT OVERVIEW: 11 DIFFERENT ELECTRO-CHEMICAL SYSTEMS



RECHARGEABLE MICRO BATTERIES

VARTA Microbattery combines entrepreneurial substance, strategic visions and technological competency for constantly improved products, application oriented designs and innovative product development. For more information please visit our internet page www.varta-microbattery.com

VARTA RECHARGEABLE Ni-MH BATTERY RANGE

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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VARTA RECHARGEABLE BUTTON CELLS (Ni-MH)

High Capacity Series								
V 15 H	55602	1.2	16	11.5	3.1			1.3
V 40 H	55604	1.2	43	11.5	5.35			1.7
V 80 H	55608	1.2	80	15.5	6.0			4.0
V 150 H	55615	1.2	150		5.85	14.1	25.6	6.0
V 200 H	55620	1.2	210		7.4	14.1	25.6	7.0
V 250 H	55625	1.2	250	25.1	6.7			10.0
CP 300 H	55630	1.2	300	25.1	7.55			11.0
V 350 H	55635	1.2	380	25.1	8.8			13.0
High Temperature Series								
V 18 HRT	55802	1.2	18	11.5	2.3			0.9
V 65 HT	55707	1.2	70	15.5	6.0			4.0
V 110 HT	55711	1.2	120		5.85	14.1	25.6	6.0
V 150 HT	55715	1.2	150		5.85	14.1	25.6	6.0
V 500 HT	55750	1.2	510		6.6	24.2	34.1	14.0
HyRate Series								
V 6 HR	55996	1.2	6.2	6.8	2.15			0.28
V 20 HR	55902	1.2	22	11.5	2.25			0.9
V 60 HR	55906	1.2	60	11.5	5.45			1.8
V 120 HR*	55912	1.2	120	15.5	6.2			4.0
V 450 HR	55945	1.2	450		5.6	24.1	34.1	12.5
V 600 HR	55960	1.2	600		6.8	24.1	34.1	14.5

*under preparation

VARTA RECHARGEABLE LITHIUM BATTERY RANGE

VARTA RECHARGEABLE LITHIUM-POLYMER VARTA PoLiFlex® SERIES

PLF 223452 D	66210	3.7	360		2.3	52.2	34.0	8.0
PLF 263441 D	66523	3.7	370		2.8	41.2	34.0	8.0
PLF 323450 D	66221	3.7	590		3.4	49.4	34.0	10.0
PLF 443441 D	66594	3.7	660		4.6	41.2	33.8	12.5
PLF 383562 D	66355	3.7	980		4.0	61.4	35.0	17.0
PLF 523450 D	66281	3.7	1000		5.4	49.4	34.0	16.0
PLF 463759 D	66641	3.7	1170		4.8	58.7	37.0	21.0
PLF 423566 C	66455	3.7	1170		4.4	66.2	35.0	22.0
PLF 503759 D	66663	3.7	1300		5.2	58.7	37.0	22.5
PLF 503562 D	66383	3.7	1320		5.2	62.2	35.0	24.0

different assembly versions with higher voltages and capacities on request

Rechargeable Lithium-Polymer Standard Packs VARTA EasyPack

EZPack S-3.7V	66590	3.7	610		6.0	43.7	35.6	14.0
EZPack M-3.7V	66352	3.7	880		5.4	64.7	36.8	20.0
EZPack L-3.7V	66380	3.7	1100		6.6	64.7	36.8	25.0
EZPack XL-3.7V	66380	3.7	2220		11.6	64.7	36.8	46.5

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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VARTA RECHARGEABLE PRISM. AND CYL. CELLS (Ni-MH)

VH 900 F5	55088	1.2	900		7.4	48.2	14.5	18.0
VH 650 F6M	55065	1.2	650		6.2	35.5	17.0	13.0
VH 860 F6	55090	1.2	860		6.2	48.0	17.0	18.0
VH 1350 F9	55113	1.2	1350		6.2	67.5	17.0	26.0
VH 700 AAA	55170	1.2	700	10.5	43.6			13.0
VH 1200 AA	55112	1.2	1300	14.5	49.1			26.0
VH 1600 AA	55117	1.2	1650	14.5	50.0			27.0
VH 2100 4/5 A	55118	1.2	2150	17.0	43.0			35.0
VH 2700 A	55127	1.2	2700	16.7	48.8			40.0
VH 4000 4/3 A	55140	1.2	4000	17.0	67.5			55.0

VARTA RECHARGEABLE STANDARD BATTERIES (Ni-MH)

V 7/8 H	5622	8.4	150		15.7	48.5	26.6	47.0
CP 2010 H	55620	3.6	220		15.0	43.3	30.0	28.0
CP 300 H NHS	55630	3.6	300	26.0	32.0			37.0
CP 300 H NHT	55630	3.6	300		10.6	48.0	52.0	38.0

VARTA RECHARGEABLE PRISMATIC AND CYLINDRICAL CELLS (Li-Ion)

LPP 402025 CE	56416	3.7	150		4.3	25.5	20.5	3.7
LPP 402934 E	56417	3.7	310		4.0	34.2	29.2	3.7
LIP 463048 CC	56485	3.7	720		4.6	48.2	30.1	16.0
LIP 553048 DC	56482	3.7	820		5.6	48.15	30.0	22.0
LIP 463450 VC	56484	3.7	850		4.6	50.0	34.0	18.0
LIP 553450 UC	56421	3.7	1050		5.5	50.5	34.0	21.5
LIP 653450 TC	56491	3.7	1130		6.6	49.8	34.0	24.5
LIP 103450 RC	56420	3.7	1950		10.5	48.7	33.9	40.0
LIC 18650-22C	56620	3.7	2200	18.25	65.0			46.0
LIC 18650-24AC	56624	3.7	2400	18.40	65.0			46.0

Standard assemblies on request

VARTA RECHARGEABLE LITHIUM BUTTON CELLS (Li-Ion)

MC 614	60614	3.0	1.5	6.8	1.4			0.18
MC 621	60621	3.0	3.0	6.8	2.15			0.24
ML 414	65011	3.0	1.0	4.8	1.4			0.08
ML 1220	65013	3.0	16.0	12.5	2.0			1.0

PRIMARY MICRO BATTERIES

Small, in many cases invisible, microbatteries reliably supply a wide variety of devices with energy. Without microbatteries, many of the products surrounding us would only be possible in much more complex forms, if at all, and would therefore also be much more difficult to handle.

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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VARTA CARD POWER LITHIUM CELLS (Li-MnO₂)

LFP 25	6804	3.0	25		0.44	22.0	29.0	0.6
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*under preparation

VARTA LITHIUM CYLINDRICAL CELLS (Li-MnO₂)

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 2/3 A	6238	3.0	1350	17.0	33.5			17.0
CR AA	6117	3.0	2000	14.75	50.5			21.5
CR 2 NP	6202	3.0	1500	11.6	60.0			13.0
CR 2/3 AH	6215	3.0	1500	17.0	33.5			17.0



CR 123 A	6205	3.0	1550	17.0	34.5			17.0
CR 2	6206	3.0	850	15.6	27.0			11.0

VARTA LITHIUM BUTTON CELLS (Li-MnO₂)

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	280	24.5	3.0			4.0
CR 2450	6450	3.0	560	24.5	5.0			6.2
CR 1/3 N	6131	3.0	170	11.6	10.8			3.0



p 28 pxl	6231	6.0	170	13.0	25.1			8.8
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VARTA ALKALINE MANGANESE BUTTON CELLS (Zn-MnO₂)

V 8 GA	4273	1.5	25	11.6	2.1			0.8
V 10 GA	4274	1.5	50	11.6	3.05			1.1
V 12 GA	4278	1.5	70	11.6	4.2			1.35
V 13 GA	4276	1.5	125	11.6	5.4			1.8
V 625 U	4626	1.5	200	15.5	6.1			3.3



p 23 ga	4223	12.0	50	10.3	28.5			7.5
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Subject to change without further notice. Errors excepted. For latest technical data please refer to our data sheets which you will find on our website www.varta-microbattery.com.

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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powerone PRIMARY CYLINDRICAL CELLS ALKALINE

LR03/ AAA	4103	1.5	1.200	10.5	44.5			11.0
LR6 / AA	4106	1.5	2.600	14.5	50.5			23.0
LR14/ C	4114	1.5	7.800	26.0	50.0			69.0
LR20/ D	4120	1.5	16.500	34.0	61.0			141.0
6LR61	4122	9.0	550		17.5	48.5	26.5	46.0

VARTA SILVER-OXYDE BUTTON CELLS (Ag₂O)

V 301	301	1.55	115	11.6	4.2			1.78
V 303	303	1.55	155	11.6	5.4			2.33
V 309	309	1.55	70	7.9	5.4			1.08
V 315	315	1.55	22	7.9	1.65			0.4
V 317	317	1.55	12	5.8	1.6			0.18
V 319	319	1.55	16	5.8	2.66			0.28
V 321	321	1.55	16	6.8	1.65			0.25
V 329	329	1.55	39	7.9	3.1			0.6
V 335	335	1.55	6	5.8	1.25			0.15
V 337	337	1.55	8	4.8	1.65			0.13
V 339	339	1.55	11	6.8	1.4			0.22
V 341	341	1.55	13	7.9	1.4			0.27
V 344	344	1.55	100	11.6	3.6			1.49
V 346	346	1.55	10	7.9	1.29			0.3
V 350	350	1.55	100	11.6	3.6			1.49
V 357	357	1.55	180	11.6	5.4			2.33
V 361	361	1.55	18	7.9	2.1			0.4
V 362	362	1.55	21	7.9	2.1			0.4
V 364	364	1.55	20	6.8	2.15			0.33
V 370	370	1.55	34	9.5	2.1			0.6
V 371	371	1.55	41	9.5	2.1			0.61
V 373	373	1.55	30	9.5	1.6			0.5
V 377	377	1.55	24	6.8	2.6			0.39
V 379	379	1.55	14	5.8	2.15			0.23
V 381	381	1.55	45	11.6	2.1			0.9
V 384	384	1.55	38	7.9	3.6			0.69
V 386	386	1.55	105	11.6	4.2			1.78
V 389	389	1.55	81	11.6	3.05			1.31
V 390	390	1.55	74	11.6	3.05			1.32
V 391	391	1.55	40	11.6	2.1			0.9
V 392	392	1.55	38	7.9	3.6			0.69
V 393	393	1.55	70	7.9	5.4			1.08
V 394	394	1.55	65	9.5	3.6			1.04
V 395	395	1.55	42	9.5	2.7			0.75
V 396	396	1.55	25	7.9	2.6			0.55
V 397	397	1.55	30	7.9	2.6			0.5
V 399	399	1.55	41	9.5	2.7			0.75
V 76 PX	4075	1.55	145	11.6	5.4			2.4

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mobility for you

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For more information please visit our website:

<http://contact.varta-microbattery.com>
www.varta-microbattery.com



VARTA Microbattery – Technology Portfolio

Primary systems

Lithium Polymer (VARTA Card Power)
Silver oxide
Alkaline
Lithium
H₂ Hydrogen generating cell
O₂ Oxygen sensor cell
Zinc Air

Secondary systems

Lithium Polymer
(VARTA PoLiFlex®)
Nickel-Metal-Hydride
Lithium-Ion

Our trademarks  **VARTA** and  **powerone** are distributed world wide with support of our technically skilled, professional global sales and service network.

 **VARTA**