

Product Overview



RECHARGEABLE BATTERIES

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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Rechargeable NiMH Battery Range

Rechargeable Button Cells (NiMH)

V...H robust								
V 15 H	55602	1.2	16	11.5	3.10			1.30
V 30 H	55603	1.2	28	11.5	3.85			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 350 H	55635	1.2	380	25.1	8.80			13.00

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 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 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.

Rechargeable Cylindrical Cells (NiMH)

VH 700 AAA	55171	1.2	730	10.5	43.7			13.0
VH 1300 AA	55115	1.2	1340	14.4	48.2			25.0
VH 1800 AA	55123	1.2	1850	14.5	49.2			27.0
VH 2200 AA	55022	1.2	2250	14.5	49.5			30.5
VH 2100 4/5A	55021	1.2	2160	17.0	43.0			33.0
VH 2700 A	55027	1.2	2700	17.0	50.0			39.5
VH 4000 4/3 A	55038	1.2	3820	17.5	67.0			53.5
VH 4500 4/3 FA	55044	1.2	4500	18.3	67.0			63.0

9V Battery (NiMH)

V 7/8 H R4U	05122	8.4	180		15.7	48.5	26.6	48.0
V 6/8 H PLUS	05422	7.2	150		15.7	48.5	26.6	41.0
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

Rechargeable Lithium Battery Range

Rechargeable Button Cells (Li-Ion)

Button Cells (Li-Ion) CoinPower								
CP 1254 A3	63125	3.7	60	12.1	5.4			1.6
CP 1454 A3	63145	3.7	85	14.1	5.4			2.4
CP 1654 A3	63165	3.7	120	16.1	5.4			3.2

Description	Order Code (VKB)	Capacity (mAh)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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CellPac LITE

Rechargeable Lithium-Polymer and Lithium-Ion / Standard Battery Packs

Li-Cylindrical Types, 3.6V / 7.2V						
1/LIC18650-26 HC PCM S WC	56637 201 016	2600	19.00	71.0		appr. 50
2S/LIC18650-26 HC PCM S WC	56637 502 016	2600	18.50	70.0	37.2	appr. 95
2P/LIC18650-26 HC PCM S WC	56637 502 017	5200	21.00	70.0	38.0	appr. 95

Li-Polymer / Li-Ion Can Types, 3.7V						
1/LIP 103450 SC PCM S WC	56429 201 016	2030	12.00	55.0	35.0	appr. 43

Li-Polymer / Li-Ion Pouch-Types, 3.7V						
1/LPP 523450 S PCM W	56457 201 012	1000	5.30	52.0	34.5	appr. 20
1/LPP 503759 8HH PCM W	56427 201 018	1400	5.40	60.5	37.5	appr. 25
1/LPP 443441 S PCM W	56455 201 012	660	4.35	41.5	34.0	appr. 13
1/LPP 423566 BE NTC W	56437 201 012	1160	4.60	67.0	35.5	appr. 26
2P/LPP 503562 S PCM WC	56456 302 012	2400	10.60	64.5	35.5	appr. 45
1/LPP 503562 S PCM W	56456 201 012	1200	5.60	63.5	35.5	appr. 23

EasyPack Range, 3.7V						
EasyPack S	56455 701 099	660	5.80	43.5	35.4	appr. 15
EasyPack L	56456 701 099	1200	6.40	64.5	36.6	appr. 26
EasyPack XL	56456 702 099	2400	11.40	64.5	36.6	
EasyPack SLIM	56426 801 096	1590	5.05	64.0	44.0	appr. 34
EasyPack PLUS	56637 702 099		21.00	74.9	40.4	appr.105

CellPac BLOX

CellPac BLOX from **VARTA Storage** suits customers in need of semi-customization and where design-cycles, engineering costs and time to market must be minimized for success. Battery designs are limited in their complexity, but available for minimal NRE cost in many cases and minimal development effort. It is designed as a portfolio of cells and PCMs which can be ordered under the CellPac BLOX program. All possible combinations have been reviewed and safety-tested by **VARTA** in advance to ensure a good fit and function between the cell and electronics.

CellPac PLUS

CellPac PLUS is a custom battery design service by **VARTA Storage**. It combines the company's cell and electronics knowledge and experience of designing batteries for electronic applications for industrial, medical, robotics and communications markets. CellPac PLUS offers a total project management, end to end battery design solution from the initial specification to product manufacture.

The design and development process includes

- Mechanical design
- Chemical architecture
- Electrical and electronic design
- Embedded vs. removable battery
- Certification and testing



For further information please visit www.varta-storage.com

Type No.	Nominal battery capacity (kWh)	Useful module capacity (kWh)	Battery inverter (kW)	Module output (W)	Dimensions W/H/D (mm)	Weight (kg)
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Energy Storage Systems

VARTA Element 3/6/9						
02700 852 201	3.2 ¹	2.9	1.6 ²		600/1176/500	105
02700 852 202	6.4 ¹	5.8	2.0 ²		600/1176/500	145
02700 852 303	9.6 ¹	8.6	3.0 ²		600/1176/500	185
VARTA Home						
02705 852 201	2.8–6.9 ¹		2.4 ²		600/1320/400	90
VARTA Family						
02703 852 201	3.7–13.8 ¹		4.0 ²		600/1850/400	110
Battery Module						
56650 748 099	0.461	0.415		162	165/130/320	6

¹ modular expansion
² depending on the number of battery modules

PRIMARY BATTERIES

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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Silver Oxide Button Cells (Ag₂O)



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			0.40
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			0.28
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			0.22
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			0.33
V 370 MF	20370	1.55	30	9.5	2.10			0.60
V 371 MF	20371	1.55	30	9.5	2.10			0.61
V 373 MF	20373	1.55	28	9.5	1.60			1.50
V 377 MF	20377	1.55	21	6.8	2.60			0.39
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			0.75
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	44	9.5	2.70			0.75

power one Alkaline Cylindrical Cells

LR 3								
Micro/AAA/AM 4	4103	1.5	1200	10.5	44.5			11
LR 6								
Mignon/AA/AM 3	4106	1.5	2600	14.5	50.5			23
LR 14								
Baby/C/AM 2	4114	1.5	7800	26.0	50.0			69
LR 20								
Mono/D/AM 1	4120	1.5	16500	34.0	61.0			141
6 LR 61								
E-Block/6 AM 6	4122	9.0	550		17.5	48.5	26.5	46

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Length (mm)	Width (mm)	Weight (g)
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Lithium Cylindrical Cells (Li-MnO₂)

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 2/3 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

Lithium Cylindrical Cells (Li-SOCl₂)

ER bobbin series								
ER 1/2 AA	7126	3.6	1200	14.6	25.1			8.8
ER AA	7106	3.6	2500	14.6	50.5			16.0
ER A	7110	3.6	3650	16.8	50.5			25.9
ER C	7114	3.6	8500	25.9	50.0			51.0
ER D	7120	3.6	19000	33.8	59.7			100.0

Lithium Button Cells (Li-MnO₂)

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

Alkaline Manganese Button Cells (Zn-MnO₂)



Mercury-free								
V 10 GA	24274	1.5	70	11.6	3.05			1.1
V 12 GA	24278	1.5	120	11.6	4.20			1.5
V 13 GA	24276	1.5	155	11.6	5.40			2.0
P 23 GA	24223	12.0	50	10.3	28.50			7.9

Hydrogen Gas Generating Cells (H₂ Cells)*



Mercury-free								
		H ₂ -Output						
V 150 H ₂ MF	24690	150 ml		11.6	5.5			1.65

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

Type Designation	Type No.	Voltage (V)	Capacity (mAh)	Diameter (mm)	Height (mm)	Weight (g)
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Hearing Aid Batteries

power one



Mercury-free						
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 <i>plus</i> 675	24602	1.45	570	11.6	5.4	1.85
Rechargeable						
p675 ACCU <i>plus</i>	54600	1.20	74	11.6	5.4	2.00
p312 ACCU <i>plus</i>	54607	1.20	23	7.9	3.6	0.60
p13 ACCU <i>plus</i>	54606	1.20	31	7.9	5.4	0.90
p10 ACCU <i>plus</i>	54610	1.20	12	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

Product Portfolio

Primary Batteries	
	Lithium-Manganese Cells Lithium-Thionyl-Chloride Cells
	Lithium Button Cells
	Zinc Air Cells
	Silver Oxide Button Cells
	Alkaline Batteries
Rechargeable Batteries	
	Li-Ion Button Cells CoinPower
	Li-Ion & Li-Polymer Batteries Cylindrical & Prismatic & CellPac LITE
	NiMH Button Cells (V...H/HR/HT/HRT)
	Li-Power Packs CellPac PLUS
	NiMH Cylindrical
	Li-Power Packs
Hydrogen Gas Generating Cells	
	VARTA H ₂ Cells

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