

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 Lithium Battery Range

Rechargeable Button Cells (Li-Ion) CoinPower

Main types								
CP 1654 A3	63165	3.7	120	16.1	5.4			3.0
CP 1454 A3	63145	3.7	85	14.1	5.4			2.4
CP 1254 A3	63125	3.7	60	12.1	5.4			1.6
CP 1240 A3	63124	3.7	43	12.1	4.0			1.2
Special types								
CP 9440 A3	63094	3.7	25	9.4	4.0			0.8
CP 0854 A3	63854	3.7	25	8.4	5.4			0.9
CP 7840 A3	63074	3.7	16	7.8	4.0			0.7

Further types on request

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 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 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.

Rechargeable Cylindrical Cells (NiMH)

VH 700 AAA	55171	1.2	730	10.5	43.7			13.0
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

Description	Order Code (VKB)	Capacity (mAh)	Height (mm)	Length (mm)	Width (mm)	Voltage (V)
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CellPac LITE

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

Li-Cylindrical Types						
1/LIC 18650-26 SKE PCM S WC	56653 201 012	2600	19.70	71.2		3.65
2S/LIC 18650-26 SKE PCM S WC	56653 502 012	2600	18.90	70.4	38.0	7.30
2P/LIC 18650-26 SKE PCM S WC	56653 502 013	5200	21.00	70.0	37.7	3.65
1/LIC 21700-40 SAE PCM S WC - SOC 30%	56658 201 099	4000	23.20	78.5		3.65
2S/LIC 21700-40 SAE PCM S WC - SOC 30%	56658 502 099	4000	44.50	78.5	22.3	7.30
2P/LIC 21700-40 SAE PCM S WC - SOC 30%	56658 502 098	8000	44.50	76.5	22.3	3.65
Li-Polymer / Li-Ion Pouch Types						
1/LPP 523450 S PCM W	56457 201 012	1000	5.30	52.0	34.5	3.70
2P/LPP 503562 S PCM WC	56456 302 012	2400	10.60	64.5	35.5	3.70
1/LPP 503759 8HH PCM W	56427 201 020	1400	5.40	60.5	37.5	3.70
1/LPP 443441 S PCM W	56455 201 012	660	4.35	41.5	34.0	3.70
1/LPP 423566 BE PCM W	56437 201 012	1160	4.60	67.0	35.5	3.70
1/LPP 503562 S PCM W	5645 6201 012	1200	5.60	63.5	35.5	3.70
EasyPack Range						
EasyPack S	56455 701 099	660	5.80	43.5	35.4	3.70
EasyPack L	56456 701 099	1200	6.40	64.5	36.6	3.70
EasyPack XL	56456 702 099	2400	11.40	64.5	36.6	3.70
EasyPack SLIM	56426 801 095	1590	5.05	64.0	44.0	3.70
EasyPack PLUS	5665 3702 099	5200	21.00	74.9	40.4	3.70
Application Specific Batteries (ASB)						
Easy Block 12 V	coming soon	50000	165.00	209.0	137.0	12.00
Easy Block 24 V	coming soon	25000	165.00	209.0	137.0	24.00
Easy Block 36 V	coming soon	16000	165.00	209.0	137.0	36.00
Easy Block 48 V	coming soon	12000	165.00	209.0	137.0	48.00
Easy Blade 24 V	coming soon	60000	230.00	330.0	80.0	24.00
Easy Blade 36 V	coming soon	42000	230.00	330.0	80.0	36.00
Easy Blade 48 V	coming soon	30000	230.00	330.0	80.0	48.00
Easy Stack 12 V	coming soon	160000	380.00	265.0	75.0	12.00
Easy Stack 24 V	coming soon	80000	380.00	265.0	75.0	24.00
Easy Stack 36 V	coming soon	53000	380.00	265.0	75.0	36.00
Easy Stack 48 V	coming soon	40000	380.00	265.0	75.0	48.00
Easy Slice 12 V	coming soon	80000	230.00	310.0	75.0	12.00
Easy Slice 24 V	coming soon	40000	230.00	310.0	75.0	24.00
Easy Slice 36 V	coming soon	27000	230.00	310.0	75.0	36.00
Easy Slice 48 V	coming soon	20000	230.00	310.0	75.0	48.00

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

**CELL
PAC** PLUS

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

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.

PRIMARY BATTERIES

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 pulse 3/6 ¹						
02707 852 301	3.3	2.9	1.6		599/690/186	45.0
02707 852 302	6.5	5.9	2.5		599/690/186	65.0
VARTA pulse neo 3/6 ¹						
2707 858 311	3.3	2.9	1.6		599/690/186	45.0
2707 858 312	6.5	5.9	2.5		599/690/186	65.0
VARTA element 6/S4, 9/S4, 12/S4						
02709 858 302	6.5 ¹	5.9	2.0		600/1176/500	115.0
02709 858 303	9.8	8.8	3.0		600/1176/500	145.0
02709 858 304	13.0	11.7	4.0		600/1176/500	165.0
VARTA one L						
02705 852 201	2.8–6.9 ²		2.4 ³		600/1320/400	90.0
VARTA one XL						
02703 852 201	3.7–13.8 ²		4.0 ³		600/1850/400	110.0
VARTA One Battery Module						
56650 748 099	0.461	0.415		162	165/130/320	6.0
VARTA Link ⁴						
37000 718 838	6.6–69	0.415		3.2–20	80/80/50	0.3
VARTA flex storage P						
02810 000 001		26.0	20.0		1200/2000/600	770.0
02810 000 002		52.0	20.0		1800/2000/600	1290.0
02810 000 003		78.0	20.0		2400/2000/600	1810.0
02810 000 005		52.0	36.0		1800/2000/600	1310.0
02810 000 007		78.0	36.0		2400/2000/600	1830.0
02810 000 008		104.0	36.0		3000/2000/600	2350.0
02810 000 009		130.0	36.0		3600/2000/600	2870.0
02810 000 010		156.0	36.0		4200/2000/600	3390.0
02810 000 013		78.0	80.0		2800/2000/600	1930.0
02810 000 014		104.0	80.0		3400/2000/600	2450.0
02810 000 015		130.0	80.0		4000/2000/600	2970.0
02810 000 016		156.0	80.0		4600/2000/600	3490.0
02810 000 017		182.0	80.0		5200/2000/600	4010.0
02810 000 018		208.0	80.0		5800/2000/600	4530.0
02810 000 019		234.0	80.0		6400/2000/600	5050.0
02810 000 020		260.0	80.0		7000/2000/600	5570.0
02810 000 025		130.0	120.0		4000/2000/600	3030.0
02810 000 026		156.0	120.0		4600/2000/600	3550.0
02810 000 027		182.0	120.0		5200/2000/600	4070.0
02810 000 028		208.0	120.0		5800/2000/600	4590.0
02810 000 029		234.0	120.0		6400/2000/600	5110.0
02810 000 030		260.0	120.0		7000/2000/600	5630.0
VARTA flex storage E						
02810 000 004		75.0	20.0		1150/2000/670	957.0
02810 000 006		75.0	36.0		1150/2000/670	977.0
02810 000 011		150.0	36.0		1700/2000/670	1684.0
02810 000 012		225.0	36.0		2250/2000/670	2391.0
02810 000 037		150.0	80.0		2100/2000/670	1684.0
02810 000 021		225.0	80.0		2650/2000/670	2491.0
02810 000 022		300.0	80.0		3200/2000/670	3198.0
02810 000 023		375.0	80.0		3750/2000/670	3905.0
02810 000 024		450.0	80.0		4300/2000/670	4612.0
02810 000 038		225.0	120.0		2650/2000/670	1990.0
02810 000 039		300.0	120.0		3200/2000/670	3258.0
02810 000 031		375.0	120.0		3750/2000/670	3030.0
02810 000 032		450.0	120.0		4300/2000/670	3550.0
02810 000 033		525.0	120.0		4850/2000/670	4070.0
02810 000 034		600.0	120.0		5400/2000/670	4590.0
02810 000 035		675.0	120.0		5950/2000/670	5110.0
02810 000 036		750.0	120.0		6500/2000/670	5630.0

¹ available for DACH, IT, AUS, UK, ...
² modular expansion

³ depending on the number of battery modules
⁴ cascades up to 5 storage systems to one unit

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			0.33
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

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)	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 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 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						
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

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	540	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

Rechargeable Batteries	
	Li-Ion Button Cells CoinPower
	NiMH Button Cells
	NiMH Cylindrical Cells
	CellPac PLUS
	CellPac BLOX
	CellPac LITE
	Energy Storage Systems
Primary Batteries	
	Zinc Air Hearing Aid Batteries – power one
	Lithium Button Cells
	Lithium Cylindrical Cells
	Alkaline Batteries
	Silver Oxide Button Cells
	Hydrogen Gas Generating Cells

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Our Brands:



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