

Infinite variety
needs limitless
creativity.

CellPac Program –
the perfect lithium-ion
battery solution.



CELL
PAC
LITE

CELL
PAC
BLOX

CELL
PAC
PLUS

CELLPAC LITE

STANDARD LITHIUM-ION BATTERY PACKS

CellPac LITE is a range of our standard lithium-ion battery packs of standard design, available at all times through our global distribution network. They are made of cylindrical, polymer or prismatic lithium batteries. Customers are provided with a ready-to-use battery solution, including all necessary accessories and local support by exclusive VARTA distributors.

FEATURE	ADVANTAGE	CUSTOMER BENEFIT
UN38.3 Certified	Approved for Transport	Declaration of Conformity available
IEC62133 Certified ¹ UL Recognized/ IEC62133 edition 2 certified for either the cell or complete pack	Ready for design-in for certified applications	Reduced design-in cost
Multiple form-factors	Supports many various applications	Product design convenience
Excellent overall performance	Supply of cells, electronics and assembly	Highly satisfying product under extensive conditions of use
Complete pack solution	Close customer relationship	Integrated performance and safety
Worldwide branch offices and distribution with technical support		Local contact, local knowledge, local language

USP

CellPac LITE offers a range of pre-configured battery packs that are immediately available for standard applications.

The wide range of our state-of-the-art CellPac LITE battery packs includes batteries with UL 2054 and IEC 62133 certifications, thereby significantly reducing the design-in cost and time-to-market for our customers. The technical documentation available to every customer on our website enables the fastest and easiest design-in.

DESCRIPTION	NOTES	TYPE	ORDER CODE (VKB)	STATE OF CHARGE	CAPACITY mAh	VOLTAGE VOLT	EXPECTED STORAGE TIME (MONTHS)
1/LIC 18650-26 SKE PCM S WC	IEC62133 edition 2 certified (pack)	Cylindrical	56653 201 012	~ 25%	2600	3.65	21
2S/LIC 18650-26 SKE PCM S WC	IEC62133 edition 2 certified (pack)	Cylindrical	56653 502 012	~ 25%	2600	7.3	21
2P/LIC 18650-26 SKE PCM S WC	IEC62133 edition 2 certified (pack)	Cylindrical	56653 502 013	~ 25%	5200	3.65	23
1/LPP 523450 S PCM W	IEC62133 edition 2 certified (pack)	Polymer	56457 201 012	~ 50%	1000	3.7	34
2P/LPP 503562 S PCM WC	IEC62133 edition 2 certified (cell)	Polymer	56456 302 012	~ 50%	2400	3.7	42
1/LPP 503759 8HH PCM W	IEC62133 edition 2 certified (pack)	Polymer	56427 201 020	~ 25%	1400	3.7	19
1/LPP 443441 S PCM W	IEC62133 edition 2 certified (pack)	Polymer	56455 201 012	~ 50%	660	3.7	30
1/LPP 423566 BE PCM W	IEC62133 edition 2 certified (cell)	Polymer	56437 201 012	~ 50%	1160	3.7	37
1/LPP 503562 S PCM W	IEC62133 edition 2 certified (cell)	Polymer	56456 201 012	~ 50%	1200	3.7	36
EasyPack S	UL2054 certified and IEC62133 edition 2 certified (pack)	Plastics	56455 701 099	~ 50%	660	3.7	30
EasyPack L	UL2054 certified and IEC62133 edition 2 certified (pack)	Plastics	56456 701 099	~ 50%	1200	3.7	36
EasyPack XL	UL2054 certified and IEC62133 edition 2 certified (pack)	Plastics	56456 702 099	~ 50%	2400	3.7	42
EasyPack SLIM	UL2054 certified and IEC62133 edition 2 certified (pack)	Plastics	56426 801 095	~ 25%	1590	3.7	20
EasyPack PLUS	UL2054 certified and IEC62133 edition 2 certified (pack)	Plastics	56653 702 099	~ 25%	5200	3.63	23

Minimum Order Value €2500. Minimum Line Value €1000. The standard terms and conditions of VARTA apply.

In addition the relevant version of our Handling Precautions and Prohibitions apply for Li-Ion batteries.

The current version is available at www.varta-microbattery.com.

Opening stock of all items, afterwards 50% of this list should be maintained according to market

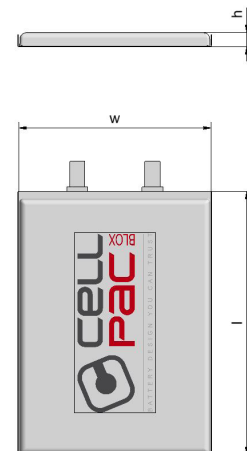
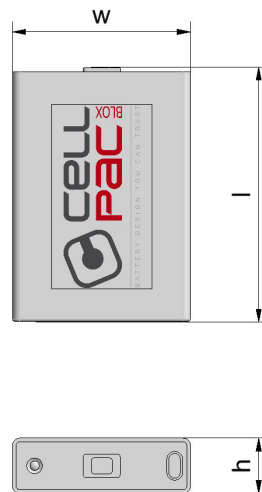
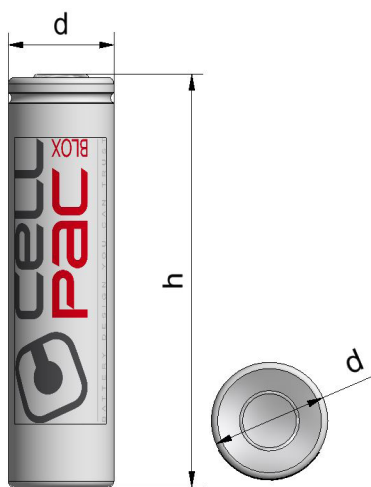
The others should be promoted as available.

CELLPAC BLOX

SEMI-CUSTOMIZED LITHIUM-ION BATTERY PACKS

CellPac BLOX from VARTA Storage suits customers in need of semi-customization and where design-cycles, engineering costs and time to market are to be minimized. Battery designs are of limited complexity, but available at minimal NRE cost and with minimal development effort.

COMBINATIONS	CAPACITY	POWER
51 models	150-7800 mAh	0.56 – 28.31 Wh



LITHIUM CYLINDRICAL

- ▶ Excellent price-performance ratio
- ▶ High capacity/energy
- ▶ Very good low temperature performance
- ▶ High safety standard
- ▶ Ideal for multi-cell configurations

LITHIUM PRISMATIC

- ▶ Light weight
- ▶ High safety
- ▶ Long operating time
- ▶ Low internal resistance
- ▶ Excellent price-performance ratio
- ▶ Standard configurations

LITHIUM PRISMATIC POLYMER

- ▶ High energy density
- ▶ Slim design
- ▶ Light weight
- ▶ Good load power

DESCRIPTION	BLOX NO.	ESTIMATED SOC	MOQ/ MDQ	CAPACITY mAh	VOLTAGE VOLTS	ENERGY Wh
CYLINDRICAL						
1S1P / LIC 18650 – 22S3B	CPB 1001	23 %	5000	2200 mAh	3.60 V	7.92 Wh
1S2P / LIC 18650 – 22S3B sbs	CPB 1002	23 %	5000	4400 mAh	3.60 V	15.84 Wh
2S1P / LIC 18650 – 22S3B sbs	CPB 1003	23 %	5000	2200 mAh	7.20 V	15.84 Wh
1S3P / LIC 18650 – 22S3B sbs	CPB 1004	23 %	5000	6600 mAh	3.60 V	23.76 Wh
1S1P / LIC 18650 – 26 SKE	CPB 1007	25 %	5000	2600 mAh	3.60 V	9.50 Wh
1S2P / LIC 18650 – 26 SKE sbs	CPB 1008	25 %	5000	5200 mAh	3.60 V	19.00 Wh
2S1P / LIC 18650 – 26 SKE sbs	CPB 1009	25 %	5000	2600 mAh	7.30 V	19.00 Wh
1S3P / LIC 18650 – 26 SKE sbs	CPB 1010	25 %	5000	7800 mAh	3.60 V	28,50 Wh
1S1P / LIC 18650 – 29EC	CPB 1011	18 %	30000	2850 mAh	3.65 V	10.40 Wh
1S2P / LIC 18650 – 29EC sbs	CPB 1012	18 %	15000	5700 mAh	3.65 V	20.81 Wh
PRISMATIC						
LIP 103450 SC	New version coming in 2019.					
POLYMER						
1S1P / LPP 402025 CE	CPB 3001	~ 50 %	50000	150 mAh	3.7 V	0.56 Wh
1S2P / LPP 402025 CE stack	CPB 3002	~ 50%	25000	300 mAh	3.7 V	1.11 Wh
1S1P / LPP 423566 BE	CPB 3005	~ 50%	50000	1160 mAh	3.7 V	4.29 Wh
2S1P / LPP 423566 BE stack	CPB 3006	~ 50%	25000	1160 mAh	7.4 V	8.58 Wh
1S1P / LPP 443441 S	CPB 3007	~ 50%	30000	660 mAh	3.7 V	2.44 Wh
1S2P / LPP 443441 S sbs	CPB 3008	~ 50%	15000	1320 mAh	3.7 V	4.88 Wh
2S1P / LPP 443441 S sbs	CPB 3009	~ 50%	15000	660 mAh	7.4 V	4.88 Wh
2S1P / LPP 443441 S stack	CPB 3010	~ 50 %	15000	660 mAh	7.4 V	4.88 Wh
1S1P / LPP 454261 8TH	CPB 3011	~ 50 %	5000	1590 mAh	3.7 V	5.88 Wh
1S2P / LPP 454261 8TH sbs	CPB 3012	~ 50 %	5000	3180 mAh	3.7 V	11.77 Wh
2S1P / LPP 454261 8TH sbs	CPB 3013	~ 50 %	5000	1590 mAh	7.4 V	11.77 Wh
2S1P / LPP 454261 8TH stack	CPB 3014	~ 50 %	5000	1590 mAh	7.4 V	11.77 Wh
1S1P / LPP 463149 S	CPB 3015	~ 50 %	30000	700 mAh	3.7 V	2.59 Wh
1S2P / LPP 463149 S sbs	CPB 3016	~ 50 %	15000	1400 mAh	3.7 V	5.18 Wh
2S1P / LPP 463149 S sbs	CPB 3017	~ 50 %	15000	700 mAh	7.4 V	5.18 Wh
2S1P / LPP 463149 S stack	CPB 3018	~ 50 %	15000	700 mAh	7.4 V	5.18 Wh
1S1P / LPP 503562 S	CPB 3019	~ 50 %	30000	1200 mAh	3.7 V	4.44 Wh
1S2P / LPP 503562 S sbs	CPB 3020	~ 50 %	15000	2400 mAh	3.7 V	8.88 Wh
2S1P / LPP 503562 S sbs	CPB 3021	~ 50 %	15000	1200 mAh	7.4 V	8.88 Wh
2S1P / LPP 503562 S stack	CPB 3022	~ 50 %	15000	1200 mAh	7.4 V	8.88 Wh
1S1P / LPP 503759 8HH	CPB 3023	~ 50 %	5000	1400 mAh	3.7 V	5.18 Wh
1S2P / LPP 503759 8HH sbs	CPB 3024	~ 50 %	5000	2800 mAh	3.7 V	10.36 Wh
2S1P / LPP 503759 8HH sbs	CPB 3025	~ 50 %	5000	1400 mAh	7.4 V	10.36 Wh
2S1P / LPP 503759 8HH stack	CPB 3026	~ 50 %	5000	1400 mAh	7.4 V	10.36 Wh
1S1P / LPP 523450 S	CPB 3027	~ 50 %	30000	1000 mAh	3.7 V	3.70 Wh
1S2P / LPP 523450 S sbs	CPB 3028	~ 50 %	15000	2000 mAh	3.7 V	7.40 Wh
2S1P / LPP 523450 S sbs	CPB 3029	~ 50 %	15000	1000 mAh	7.4 V	7.40 Wh
2S1P / LPP 523450 S stack	CPB 3030	~ 50 %	15000	1000 mAh	7.4 V	7.40 Wh
1S1P / LPP 683566 BE	CPB 3031	~ 50 %	50000	1880 mAh	3.7 V	6.96 Wh
2S1P / LPP 683566 BE stack	CPB 3032	~ 50 %	25000	1880 mAh	7.4 V	13.91 Wh
1S1P / LPP 702035 S	CPB 3033	~ 50 %	30000	430 mAh	3.7 V	1.59 Wh
1S2P / LPP 702035 S stack	CPB 3034	~ 50 %	15000	860 mAh	3.7 V	3.18 Wh

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For Volumes >10k pieces shipment can be scheduled. Final box quantity will only be defined during the project.

CELLPAC PLUS

CUSTOMIZED LITHIUM-ION BATTERY PACKS FOR MOBILE DEVICES

The development of an individual energy solution encompasses a number of success-determining factors such as the selection of the right cells, the mechanical and electrical design, as well as certification and tests. In addition to the high-quality battery solutions, VARTA Storage provides a comprehensive service and consultation, which leads you through the development process.

1. CONSULTING

VARTA Storage presents our services and early options in a first meeting. With our specialists, you can also discuss your individual requests and the exact requirements for the battery. With this very first dialogue, we lay the foundations for a long-term and constructive partnership.

2. CONCEPT

On the basis of these needs, we develop a project plan in which all milestones from development to mass production are recorded. A tailor-made concept that leads to a tailor-made solution.

3. DESIGN, CERTIFICATION, PROTOTYPING & TEST VERIFICATION

With your acceptance of the concept, the development of the battery begins. Project management executed in detail guarantees timely realisation. Once approved, VARTA Storage produces the first prototypes of your battery, which are used for test, verification and certification.

4. PRODUCTION

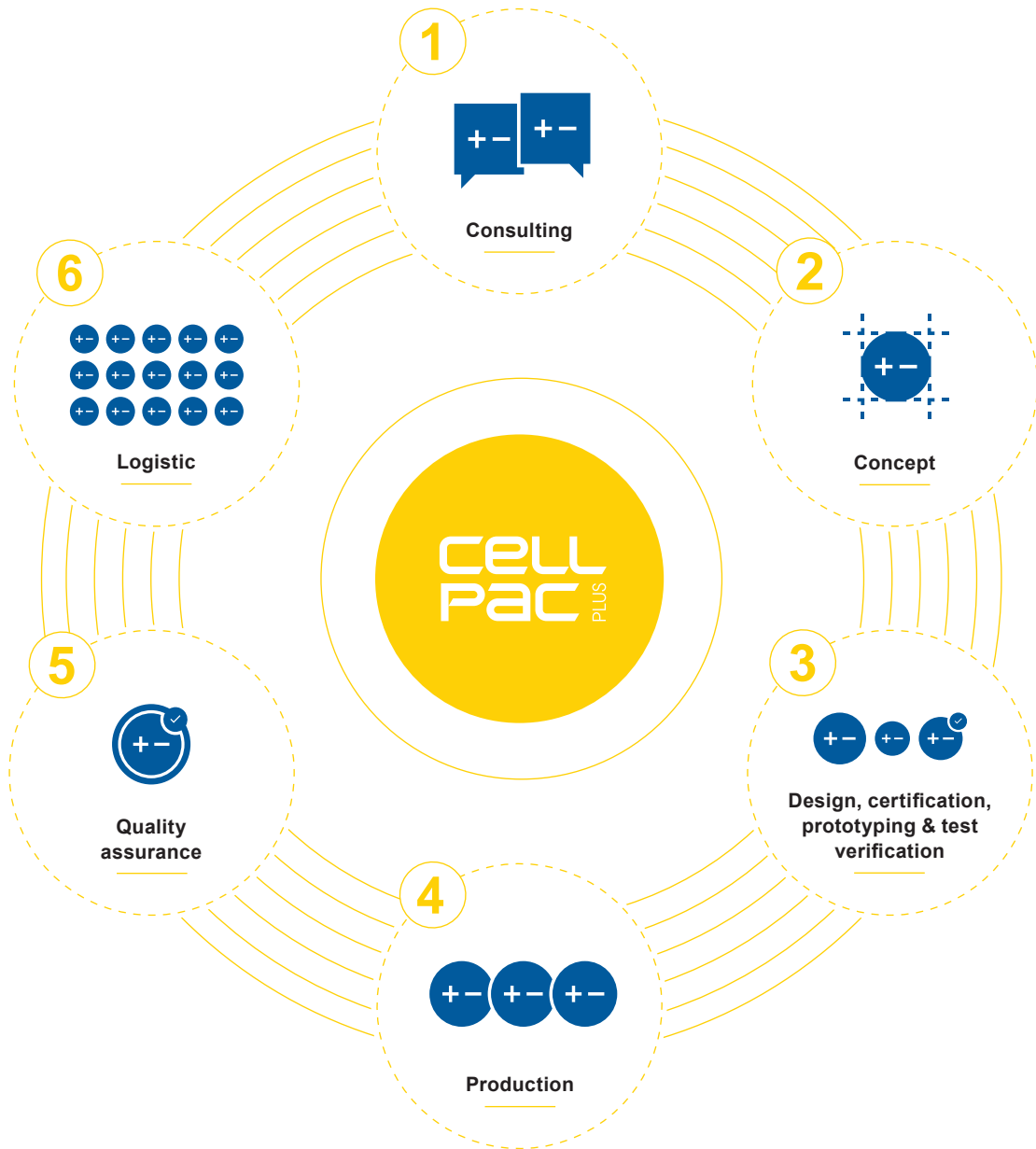
After successful completion of all tests and certification, we can undertake serial production in one of our production facilities worldwide. Each fulfills the highest ISO-standards and ensures a high quality production.

5. QUALITY ASSURANCE

Quality is designed in. Throughout the entire product life cycle, our experts at VARTA Storage manage and monitor continuously to ensure only products of the highest quality will be delivered.

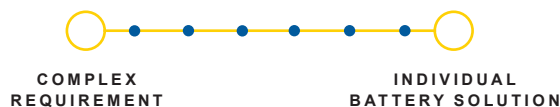
6. LOGISTIC

VARTA Storage meets the challenges of transporting lithium-ion batteries with great experience, efficiency and safety. Our world-wide logistics network guarantees a fast and flexible delivery interacting with your own transport and storage requirements.



EVERYTHING REVOLVES AROUND YOUR SUCCESS.

Our specialists ensure that each battery meets the high performance and safety standards of VARTA Storage as well as specific customer requirements.



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