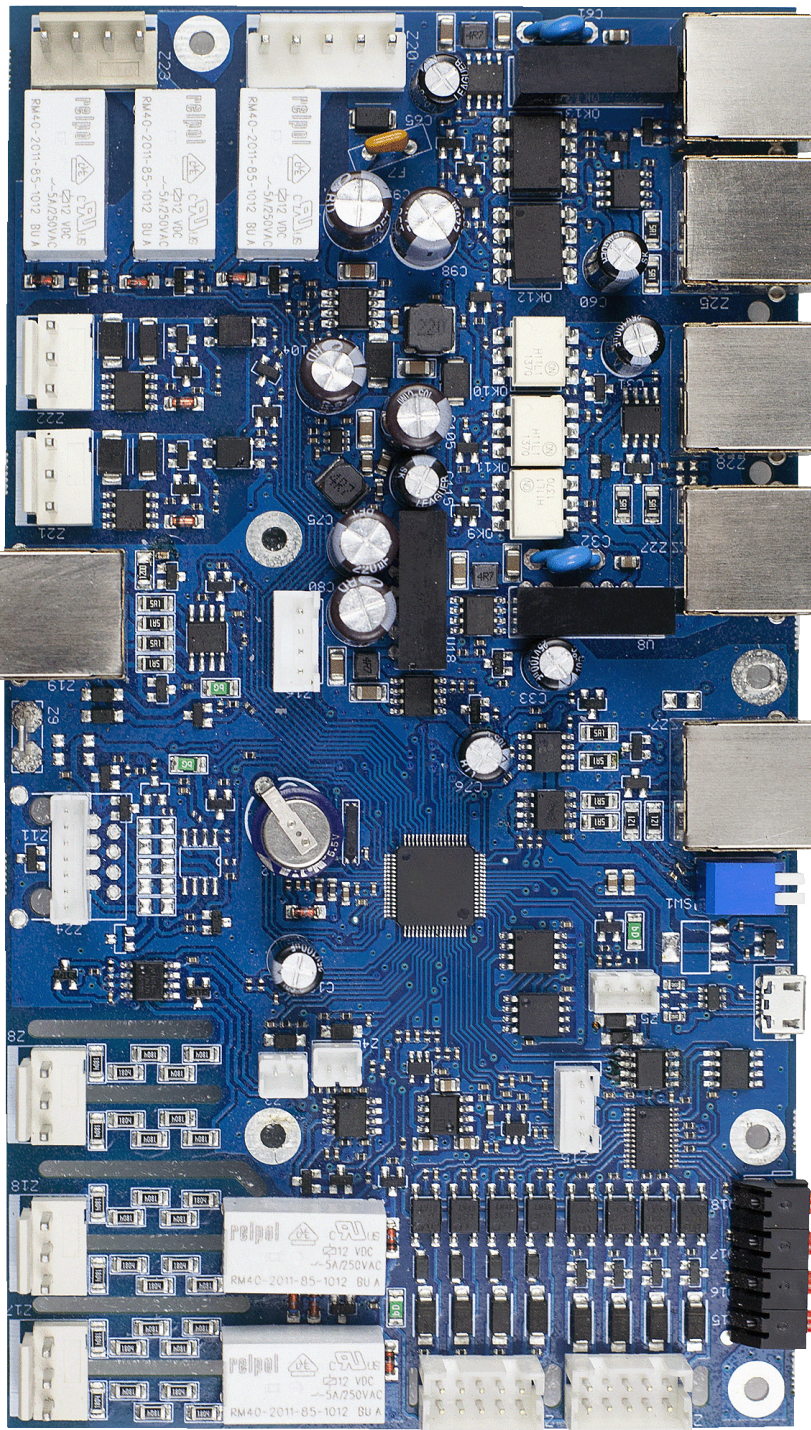


# Product catalog





# Technology is our passion

We are a technology and trading company specialized in lithium batteries and energy storage systems.

Our team consists of experienced experts in LiFePO<sub>4</sub> technology, who have been providing reliable energy storage solutions for over seven years.

Our offer includes: Kon-TEC energy storage systems, Kon-TEC lithium-ion batteries, Kon-TEC chargers, DEYE inverters, IEB chargers, full VICTRON offer.

## Why us?

Our products are distinguished by reliability, high quality, and long service life. Over 2000 customers have trusted us so far, valuing our solutions for their durability and service support.

## Own laboratory and service

We have our own service and R&D laboratory, allowing us to provide comprehensive warranty and post-warranty support for our products.

## Innovative technologies

We are the authors of our own solution for managing the charging and discharging of LiFePO<sub>4</sub> cells, ensuring the highest level of safety and efficiency in our industrial energy storage systems. These devices are manufactured in Poland, in Rzeszów.

## What sets us apart?

**High-quality products:** Energy storage systems and LiFePO<sub>4</sub> batteries with a lifespan of up to 6000 cycles or more.

**Over 2000 satisfied customers:** Within eight years, we have delivered our products to over 2000 customers.

**Over 8 years on the market:** Thanks to years of experience, we offer products of the highest quality.

**R&D laboratory:** Our in-house tests ensure the highest quality.

**Own service:** Full service support, warranty and post-warranty.

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Sales	info@kon-tec.eu +48 572 001 150
Technical support for DEYE inverters and energy storage	+48 572 001 155
BMS solutions	+48 797 452 233
Support for wholesale customers and installers	+48 797 322 945
Service	+48 572 001 154

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# Business areas

Check out full offer  
on our website

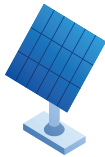


## 1 Energy storage

We manufacture and sell energy storage systems. Our systems meet the requirements of individual, corporate, and institutional clients.



Residential construction



Renewable energy



Industrial production

We offer both subcontracted and in-house production. We are a technology company. Industrial energy storage systems are manufactured in Rzeszów, equipped with our proprietary BMS system, which is also produced locally.

We provide comprehensive solutions including energy storage, appropriate inverters, protections, and wiring.

### New technologies and R&D

We constantly keep our finger on the technological pulse. We develop and prepare new solutions. We work independently and in cooperation with other entities on extensive energy supply and balancing systems, including: related to the use of hybrid systems of heat pumps and gas furnaces, or controlling the consumption, storage and sale of energy using advanced artificial intelligence algorithms.

## 2 Energy audits and investment support

We assist in optimizing the energy efficiency of service and production enterprises, institutions, housing cooperatives, and owners of commercial, office, and residential properties.

Improve energy efficiency of your enterprise:



Order an energy audit



Submit a loan application



Receive up to 70% subsidy

We perform energy audits, analyzing energy consumption, identifying sources of losses, evaluating device and system efficiency, and recommending investments in energy-saving technologies. We help with connecting investors with the renewable energy sector.

We help in preparation of applications for funding from EU programs. We support the process of connecting investors from the renewable energy industry with energy trading and storage companies.

## 3 Batteries and equipment

We produce and sell 12.8 V LiFePO<sub>4</sub> batteries, chargers and a completely designed and manufactured in Poland balancer, for connecting LiFePO<sub>4</sub> batteries to voltages of 24 V, 36 V and 48 V.

We have the highest quality IEB chargers and the full Victron offer, comprehensive solutions for individual customers: manufacturers of equipment, specialized vehicles, vessels and B2B customers.

Example applications:

- > Replacement for AGM/GEL
- > Camper vans, electric vehicles
- > Specialized electric vehicles
- > Yachts, catamarans, houseboats
- > Electric motors
- > Power source for 12 V~ / 230 V~ inverters
- > Wheelchairs and mobility scooters
- > Hybrid photovoltaic systems
- > Industrial machines
- > 12V Appliances and Toys
- > Emergency lighting and alarms

# Energy storage



Energy storage in residential buildings is a solution that enables the storage of green, free solar energy or reduces the cost of grid energy during peak demand.

This solution is also effective for emergency power, ensuring normal operation of a residential building even in the absence of grid power or under adverse weather conditions.

Types, capacity, and power of energy storage systems:

### Low and high voltage energy storage

- > From 5 kWh to 160 kWh capacity at 48 V
- > From 5 kWh to 61 kWh capacity, from 204 V to 614 V

### Industrial energy storage

- > From 60 kWh to 612 kWh capacity
- > From 30 kW to 500 kW inverter power

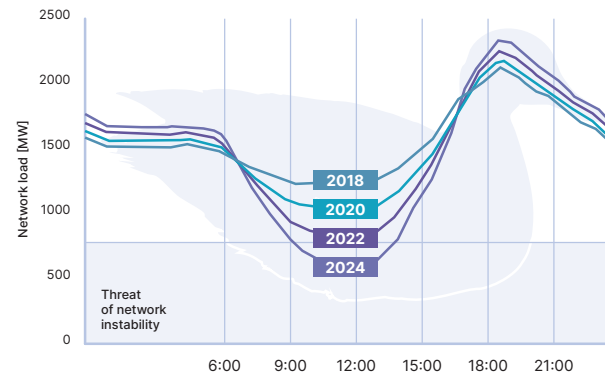
### Containerized industrial energy storage

- > From 300 kWh to 4 MWh capacity
- > From 100 kW to 2 MW inverter power

## Why is energy storage needed?

### The duck chart

High production at midday, low demand – storage systems allow surplus to be stored for evening peak usage.



### Energy oversupply

Surplus energy from RES (solar, wind) leads to negative energy prices – better to store than waste.

### Reception exclusions

Without storage, surplus energy is lost – storage minimizes losses and stabilizes the grid.

### Stability of supplies

Storage protects against power outages, ensuring production continuity in industry.

## Energy storage utilization possibilities

### Self-consumption

Use of surplus energy from RES for personal needs or for consumers.

### Energy arbitrage

Purchase cheap energy during surplus periods and sell or use it when prices rise.

### Grid services

Support for grid balancing, ensuring stability and frequency regulation.

### Backup power

Protection against power outages.

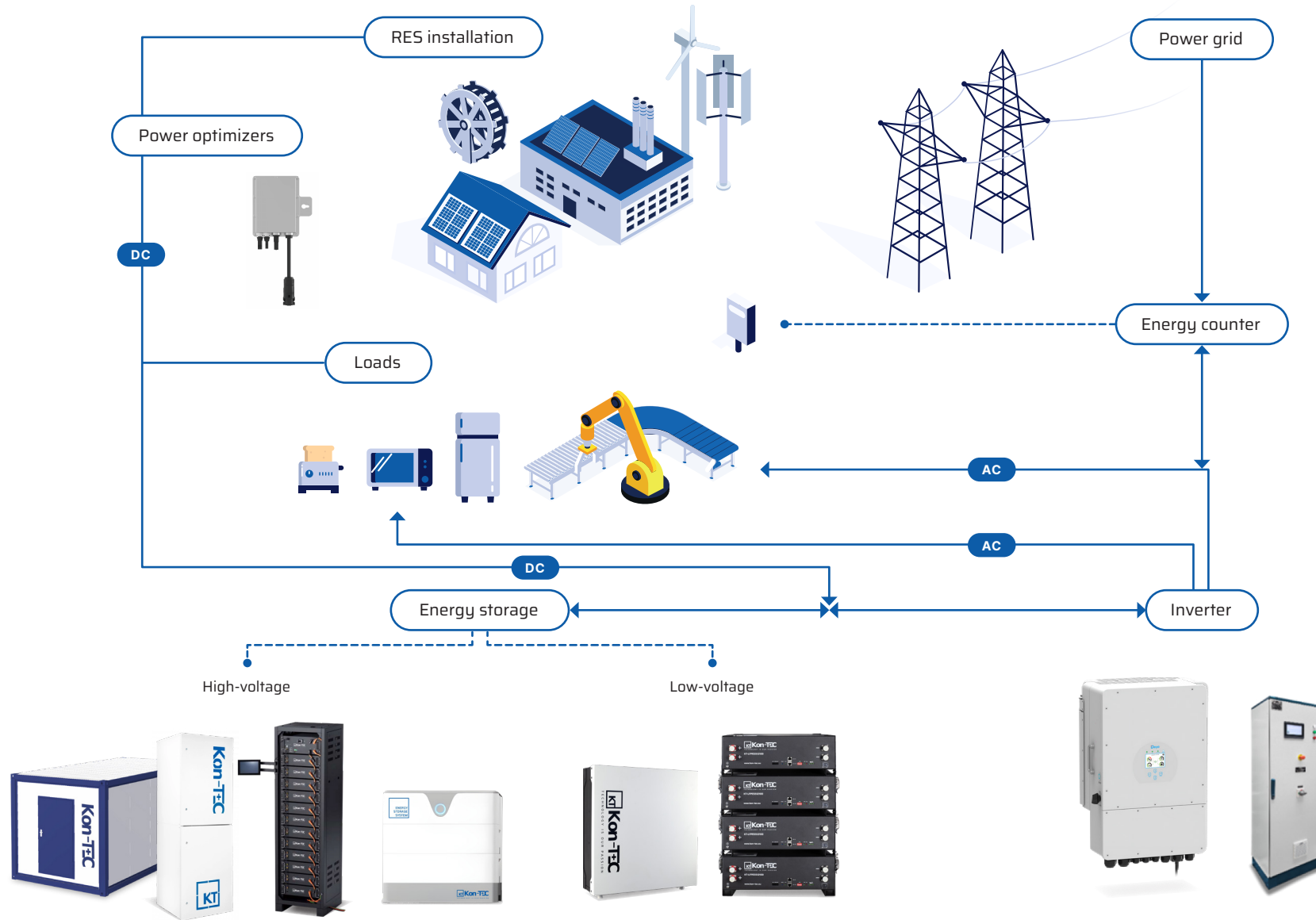
### Cost optimization

Purchase cheap energy and use it when prices are high, reducing costs.

### Integration with RES

Better energy management from renewable sources, improving efficiency.

# Integration of energy storage with RES and loads



# Energy storage for homes and businesses

Gain energy independence, reduce energy costs and contribute to environmental protection through the effective use of renewable energy sources.



Storing energy in domestic photovoltaic systems allows you to maximize the use of solar energy, reduce electricity bills and ensure energy independence.

Energy storage systems enable the storage of excess energy produced during the day for use in the evening or during power outages. We offer safe, efficient, and long-lasting energy storage solutions.

### Safety

LiFePO<sub>4</sub> energy storage systems are characterized by a high level of safety thanks to advanced protection systems against overcharging, excessive discharge, overheating and short circuit.

### Efficiency

High energy efficiency, ability to store large amounts of energy and fast charging and discharging.

### Modularity

Scalable solutions that can be easily adapted to growing energy needs.

### Versatility

Can be used in various configurations - from powering single-family houses to larger municipal installations.



KT-LFPES512100

## Low-voltage energy storage

Versatile, ideal for domestic photovoltaic installations. High capacity and reliability make it an excellent choice for those who want to increase their energy independence.

Capacity	5 kWh - 160 kWh
Nominal voltage	51.2 V
Nominal power	2.56 kW (5 kWh module)
Operating voltage range	44.8 - 57.6 V
Installation	wall, floor, rack cabinet, stacked
Compatibility	Deye
Lifespan	≥6000 cycles at 90% DoD
Energy efficiency	97%
Weight	~46 kg
Dimensions (W x D x H)	482×135×460 mm

KT-LFPHV20550, KT-LFPHV30750, KT-LFPHV41050



## High-voltage energy storage

A series dedicated to larger domestic installations and small municipal installations. They have high scalability and compatibility with many inverters - perfect for the specific needs of users.

Capacity	10 kWh - 20.48 kWh
Nominal voltage	204.8 V / 307.2 V / 409.6 V
Nominal power	5.12 kW / 7.68 kW / 10.24 kW
Operating voltage range	185.6~233.6 V / 278.4~350.4 V / 371.2~467.2 V
Installation	stacked
Compatibility	Deye
Lifespan	≥6000 cycles at 90% DoD
Energy efficiency	97%
Dimensions (W x D x H)	630×440×590 / 745 / 900 mm

# Energy storage for homes and businesses

Gain energy independence, reduce energy costs and contribute to environmental protection through the effective use of renewable energy sources.

## Energy-efficient and flexible solution for energy storage

Our energy storage systems offer more usable energy thanks to advanced LiFePO<sub>4</sub> (LFP) technology of high quality, providing up to 6000 cycles.

The modular design with a capacity of 5.12 kWh allows for easy expansion, supporting up to 12 modules per stack and 4 stacks in parallel.

Easy installation and quick startup – the system is equipped with plug&play wiring and an automatic ID assignment feature, enabling quick and hassle-free connection.

Additionally, the system can be easily managed with a single ON/OFF button.

	KT-LFPHV5:12-4	KT-LFPHV5:12-5	KT-LFPHV5:12-6	KT-LFPHV5:12-7	KT-LFPHV5:12-8	KT-LFPHV5:12-9	KT-LFPHV5:12-10	KT-LFPHV5:12-11	KT-LFPHV5:12-12
Number of battery modules	4	5	6	7	8	9	10	11	12
Nominal capacity of energy storage	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh	46.08 kWh	51.2 kWh	56.32 kWh	61.44 kWh
Nominal power	20.35 kW	25.44 kW	30.53 kW	35.62 kW	35.70 kW	45.79 kW	48.63 kW	55.97 kW	61.06 kW
Operating voltage range	182.4 - 224.64 V	228 - 280.8 V	273.6 - 336.96 V	319.2 - 393.12 V	364.8 - 449.28 V	410.4 - 505.44 V	456 - 516.6 V	501.6 - 617.76 V	547.2 - 673.92 V
Maximum charging / discharging current	100 A (1C) / 50 A / 100 A								
Dimensions	620×630×2220 mm								
Weight	327.5 kg	327.5 kg	413.5 kg	456.5 kg	499.5 kg	542.5 kg	585.5 kg	628.5 kg	671.5 kg
Installation	On a stand								
Operating temperature range	5°C - 60°C								
Lifespan	6000 cycles at 80% DOD / 25°C / 0,5C, 60% EOL								



KT-LFPHV5-12

Safety and reliability ensured by up to 90% depth of discharge, which maximizes energy availability while protecting battery life.

Our solutions are ideal for a variety of applications, offering scalability and flexibility for growing energy needs.

# Energy storage for industrial use

Configurable  
from 60 to 612 kWh  
We recommend an energy audit.



KT-LFPHV204729-38-280

## Energy storage LiFePO<sub>4</sub> 204.29 kWh

An energy storage that is an ideal solution for medium-sized industrial plants, offering high capacity and reliability in a compact form. For installation inside buildings.

Capacity	204.29 kWh
Rated voltage	729.6 V
Max. charging voltage	798 V
Min. package voltage	706.8 V
Max. continuous charging current	140 A
Max. continuous discharging current	280 A
Communication protocol	CAN/RS485
Dimensions (W x D x H)	1050×800×2800 mm
Maintenance level	Low



KT-LFPHV254728

## Energy storage LiFePO<sub>4</sub> 254kWh

Energy storage that combines high efficiency, reliability and scalability. The built-in BMS system and real-time monitoring option ensure full control and security. Perfect for optimizing energy consumption in industrial plants and renewable energy installations.

Capacity	254 kWh
Operating voltage range	728 VDC ~ 936 VDC
Cooling mode	Liquid
AC rated power	125 kW
Nominal network voltage	400 VAC, -15% ~ +15%
Dimensions (W x D x H)	1420×1425×2250mm
Maintenance level	Low

Lithium iron phosphate technology offers exceptional durability, safety, and efficiency, making it an ideal solution for demanding industrial applications.

Thanks to high capacity and efficiency, our LiFePO<sub>4</sub> energy storage systems provide stable and reliable power sources, optimizing operational costs and improving the reliability of energy infrastructure.

### Safety

Advanced battery management systems (BMS) monitor individual cell conditions, ensuring protection against overcharging, deep discharge, and overheating.

### High energy density

Storing large amounts of energy in relatively small spaces ensures efficient use of available resources.

### Scalability

The ability to easily increase or decrease system scale provides flexibility in adapting to changing energy needs.

### High durability

LiFePO<sub>4</sub> energy storage systems feature over 6000 cycles at 100% DoD, translating to more than 10 years of use without significant degradation.



# Energy storage for industrial use

Configurable  
from 300 kWh to 4 MWh  
We recommend an energy audit.

Containerized energy storage systems with capacities ranging from 300 kWh to 4 MWh offer a modern solution for reliable emergency power supply and grid stabilization.

Designed for buildings and medium to large production companies, these energy storage systems ensure operational continuity. They are equipped with an advanced battery management system (BMS) designed and manufactured in Rzeszów, which monitors and protects cells. With high power output, ranging from 60 kW to 2 MW, these systems provide efficient energy transmission, supporting dynamic energy needs. The containerized energy storage system is made to order.

## Advanced BMS system

Provides optimal performance and protection against overcharging, deep discharge, and overheating.

## High energy density

Stores large amounts of energy in a compact space.

## Scalability

Easy expansion or reduction of power based on needs.

## Fast charging and discharging

Ideal for dynamic energy requirements.

## High durability

Resistant to frequent charging and discharging cycles.



KT-LFPHVK5001000

## Energy storage LiFePO<sub>4</sub> 500kW 1MWh

Container-based industrial energy storage with a capacity of 967.68 kWh, perfect for integration with renewable energy sources to store surpluses, stabilize the network and provide emergency power supply.

Capacity	967.68 kWh
Nominal voltage of the pack	691 V
Max. charging voltage of the pack	767 V
Number of packs in the container	5
Max. continuous charging current	5×140 A
Max. continuous discharging current	5×140 A
Inverter power	500 kW
Installed cooling capacity	15 kW
Dimensions (W x D x H)	4000×3000×3000 mm



KT-LFPHVK10002000

## Energy storage LiFePO<sub>4</sub> 1MWh 2MWh

2 MWh storage with 1 MW inverter provides high energy density, fast charging and discharging, and long service life thanks to the BMS system, ideal for dynamic industrial needs.

Capacity	3 870.72 kWh
Nominal voltage of the pack	691 V
Max. charging voltage of the pack	767 V
Number of packs in the container	10
Max. continuous charging current	10×140 A
Max. continuous discharging current	10×140 A
Inverter power	1 MW (2×500 kW)
Installed cooling capacity	30 kW
Dimensions (W x D x H)	7000×3000×3000 mm

# BMS - Battery Management System

A proprietary solution for managing battery charging and discharging in energy storage systems. Fully designed by our company. Software and electronics are manufactured in Rzeszów.

The system consists of Master and Slave modules. The Master module manages the entire energy storage system and communicates with other modules through a dedicated communication bus. The system communicates with any external master system. It provides various communication interfaces. The Slave module is equipped with voltage and temperature measurement for the cell. It also features an active or passive balancing system.

The Master module and each of the Slave modules in the system are equipped with numerous safeguards ensuring efficient and reliable operation of the energy storage system.

It ensures easy diagnostics by providing a full set of operating parameters and information about irregularities in the operation of the energy storage facility. They are available to the master system through the Master module.

Depending on the user's needs, the Master module provides various communication interfaces, e.g. Modbus RTU (RS232/485), CAN, etc.

The system can use the functions of a PLC microcontroller with several programmable digital inputs/outputs.



**Kon-TEC BMS Master**

The Master module measures the current flowing through the main battery bus and the battery voltage.

It acts as an intermediary between the energy storage and the outside world, transmitting a range of diagnostic and functional data to the master system.

Power supply voltage range	9 - 110 VDC
Max. battery voltage	980 VDC
Max. number of cells (serial configuration)	196
Voltage measurement accuracy	+/- 0.1 V
Current measurement range	-200 to 200 A
Voltage measurement accuracy	+/- 0.1 A
Power consumption in operating mode	7.2 W
Power consumption in standby mode	0.2 W
Operating temperature	-40°C to 85°C
Communication interfaces	CAN i RS485
Communication protocol	CAN, MODBUS RTU



**Kon-TEC BMS Slave**

Slave is a single link management module, controlled by the master module, which also serves as link protection against failures.

The user can build an energy storage facility that meets his needs. Thanks to the use of slave modules, the system can be easily scaled. The internal communication interface allows for backward compatibility between modules.

Single cell voltage range	1.00 - 4.95 V
Balancing current	< 500 mA
Accuracy of single cell voltage measurement	+/- 0.05 V
Power consumption in standby mode	100 uA
Power consumption in operating mode	12 mA
Cell voltage sampling time	0.1 s

# Hybrid inverters

Deye is a leading manufacturer of modern hybrid inverters that enable efficient energy management in photovoltaic systems.

Deye hybrid inverters combine solar inverter functions with energy storage capabilities, allowing maximum use of solar energy and increased energy independence for users.

Thanks to advanced technology, Deye inverters offer high efficiency, reliability, and ease of integration with various energy storage systems.

## High efficiency

Energy conversion efficiency up to 97.6%, minimizing energy losses and maximizing its use.

## Energy management

Intelligent management of energy flow between solar panels, energy storage, and the grid.

## Modularity

The ability to connect up to 16 units in parallel, enabling flexible system adaptation to growing energy needs.

## Compatibility

Compatible with a wide range of energy storage systems, including low-voltage and high-voltage energy storage from Kon-TEC.

Wide selection of power  
 Low-voltage: 5 - 12 kW  
 High-voltage: 6 - 50 kW



SUN-12K-SG04L P3-EU



## Low-voltage hybrid inverter

Solution for effective energy management in modern photovoltaic systems for medium and large residential and commercial installations, which focuses on optimizing energy production, storage and use.

Rated power (in/out AC)	12 kW
Max. power (in/out AC)	13.2 kW
Rated current (in/out AC)	18.2 / 17.4 A
Max. voltage (in/out AC)	220 / 380 V, 230 / 400 V
Max. PV input power	19.2 kW
Max. PV input voltage	800 V
MPPT	2 / 2+2
Energy storage voltage range	40 ~ 60 V
Number of phases	3
Energy storage	Low-voltage

Most frequently purchased models



SUN-50K-SG01HP3-EU



## High-voltage hybrid inverter

Versatile and reliable inverter providing stable and efficient power supply. Dedicated to large industrial and commercial installations, ideal for applications requiring high power.

Rated power (in/out AC)	50 kW
Max. power (in/out AC)	55 kW
Rated current (in/out AC)	75.8 / 72.5 A
Max. voltage (in/out AC)	220 / 380 V, 230 / 400 V
Max. PV input power	65 kW
Max. PV input voltage	1000 V
MPPT	4/2+2+2+2
Energy storage voltage range	160 - 800 V
Number of phases	3
Energy storage (2 inputs)	High-voltage

# LiFePO<sub>4</sub> batteries

Our batteries have the safest cells on the market in terms of non-flammability and non-explosiveness.

Kon-TEC LiFePO<sub>4</sub> batteries, with a cathode made of lithium, iron, phosphate, and oxygen compounds, have no memory effect. They are highly resistant to discharge during incomplete charge cycles and can be charged with high currents.

## Applications

- > Replacement for SLA (lead-acid and gel) batteries.
- > Camping trailers and camper vans.
- > Specialized electric vehicles.
- > Electric drives.
- > Yachts, catamarans, houseboats.
- > Wheelchairs and vehicles for the disabled.
- > Hybrid photovoltaic systems.
- > Wind turbines.
- > Emergency lighting.
- > 12 V devices and toys.
- > Power source for 12 V~ / 230 V~ inverters.

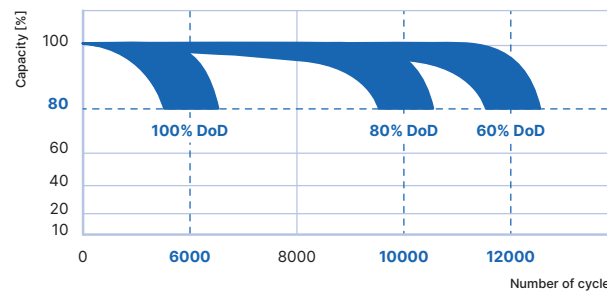


## Blue Line - Industrial

Designed for industrial applications, ideal for challenging environments such as production lines, forklifts, and cleaning machines. Known for exceptional durability and long lifespan.

It works perfectly in difficult conditions, such as production lines, forklifts, cleaning machines and wherever batteries work for customers, e.g. in chartered boats or campers. The batteries of this line are characterized by exceptional durability, efficiency and long life, which makes them a reliable source of energy in demanding applications.

Battery life in cyclical operation:

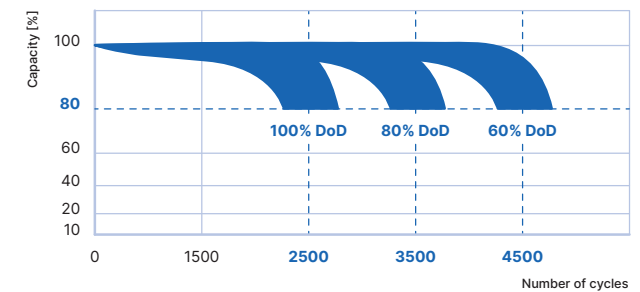


## Green Line - Recreational

Intended for boat, camper, and recreational vehicle owners. Features of the Blue Line but with a shorter lifespan, ideal for private use with less intensive demands.

It has all the features of the BLUE Line, such as high efficiency, reliability and resistance to external conditions, but offers half the lifespan, which makes it an ideal choice for private use, where the intensity of use is lower. The Green Line provides reliable power and comfort during long expeditions.

Battery life in cyclical operation:



# Discover the unique features of LiFePO<sub>4</sub> batteries



## 1 LiFePO<sub>4</sub> cells

The safest cells available on the market in terms of non-flammability and non-explosiveness. They have no memory effect and can be charged with high currents.

## 2 Battery Management System (BMS)

Protects the battery from all possible factors that could cause damage.

## 3 Wireless communication

Ensures communication between the battery and a mobile device, allowing real-time management monitoring.

## 4 Terminals

Hexagonal M8 screw.

## LiFePO<sub>4</sub> battery highlights

**Cell heating:** a function that offers the possibility of charging at negative ambient temperatures.

**Series connection:** support for multiple batteries connected in series (24, 36, 48 V - max. 4 in series).

**Low voltage drop with high discharge current:** no power drop when discharging quickly.

**Capacity tailored to your needs:** 50 - 300 Ah BLUE line, 50 - 280 Ah GREEN line.

**Energy density, weight and dimensions:** more power with low weight and small battery dimensions.

**High durability:** GREEN Line - 2500 cycles (100% DoD), 4500 cycles (60% DoD), BLUE Line - 6000 cycles (100% DoD), 12000 cycles (60% DoD).

Parameter comparison	AGM group	GEL group	Kon-TEC LiFePO <sub>4</sub>
Rated voltage (1C discharge current)	12 V (2 V / cell)   12 V (2 V / cell)	12 V (2 V / cell)	<b>12.8 V (3.2 V / cell)</b>
Lifecycle 100% DoD	200	300	<b>6000</b>
Lifecycle 60% DoD	400	600	<b>12000</b>
Weight	32.7 kg	30 kg	<b>11.2 kg</b>
Capacity (27 °C, C/5)	100 Ah	100 Ah	<b>100 Ah</b>
Capacity (C/2)	90 Ah	80 Ah	<b>100 Ah</b>
Capacity (C/1)	70 Ah	60 Ah	<b>100 Ah</b>
Charging time	6 - 12 h	6 - 12 h	<b>1 - 3 h</b>
Conservation level	low	low	<b>none</b>
Actual cost per cycle (80% DoD)	3.10 PLN	2.47 PLN	<b>0.74 PLN</b>

### LiFePO<sub>4</sub> benefits

More power / Constant voltage

Long lifespan (6 - 10x greater)

Long lifespan (6 - 10x greater)

>50% less weight

Continuous release of power and energy, at any discharge level

4 - 6x faster

No maintenance

Very low actual cost

# LiFePO<sub>4</sub> 12.8 V Batteries GREEN Line



KT-LFP1250-GL

## LiFePO<sub>4</sub> 12.8 V 50 Ah - GREEN Line

Capacity	50 Ah
Rated voltage	12.8 V
Lifespan	2500 (100% DoD), 4500 (60% DoD)
Max. continuous current	50 A
Max. charging current	50 A
Operating temp. range	-20°C to 60°C
Charging temp. range	0°C to 45°C
Weight	5.2 kg
Dimensions	195.6×166.4×171.7 mm



KT-LFP12100-GL

## LiFePO<sub>4</sub> 12.8 V 100 Ah - GREEN Line

Capacity	100 Ah
Rated voltage	12.8 V
Lifespan	2500 (100% DoD), 4500 (60% DoD)
Max. continuous current	100 A
Max. charging current	100 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	10.5 kg
Dimensions	260×168×214.7 mm
Other	iOS Android app, Heating mats

LiFePO<sub>4</sub> batteries from the GREEN Line are economical solutions that combine reliability and high efficiency with an attractive price.

Thanks to advanced lithium iron phosphate technology, these batteries offer long life, safety, and low operating costs.

They are ideal for users seeking efficient and affordable energy storage solutions.



KT-LFP12200-GL

## LiFePO<sub>4</sub> 12.8 V 200 Ah - GREEN Line

Capacity	200 Ah
Rated voltage	12.8 V
Lifespan	2500 (100% DoD), 4500 (60% DoD)
Max. continuous current	200 A
Max. charging current	200 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	20 kg
Dimensions	488×170×243 mm
Other	iOS Android app, Heating mats



KT-LFP12280-GL

## LiFePO<sub>4</sub> 12.8 V 280 Ah - GREEN Line

Capacity	280 Ah
Rated voltage	12.8 V
Lifespan	2500 (100% DoD), 4500 (60% DoD)
Max. continuous current	200 A
Max. charging current	200 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	26.6 kg
Dimensions	523×269×224 mm
Other	iOS Android app, Heating mats

Discover the full range of LiFePO<sub>4</sub> batteries and check current promotions and discounts on our website.

By following us on social media you won't miss the most important news!



[www.kon-tec.eu](http://www.kon-tec.eu)

# LiFePO<sub>4</sub> 12.8 V Batteries BLUE Line

LiFePO<sub>4</sub> batteries from the BLUE Line are technologically advanced devices offering maximum lifespan and the highest efficiency.

This line is intended for professional and industrial applications.

The LiFePO<sub>4</sub> (lithium iron phosphate) battery line from Kon-TEC provides advanced solutions designed for demanding professional applications. They offer excellent technical parameters, high energy efficiency, and long lifespan, making them a reliable choice for various industries.

The greatest advantages of this line are lightness and compact design - up to 50% lighter than traditional lead-acid batteries, and at the same time able to provide full power regardless of the degree of discharge.

High efficiency (97%) translates into fast charging and minimal energy losses, which makes them economical to use.

Kon-TEC LiFePO<sub>4</sub> batteries are also distinguished by an impressive service life: up to 6,000 cycles at full discharge (100% DoD) and up to 12,000 cycles at 60% DoD.

The built-in battery management system (BMS) and wireless communication option enable real-time monitoring of parameters.

Products from this series are used, among others, in specialized vehicles, photovoltaic systems, boats, emergency lighting and powering 12V devices.

Thanks to high safety standards and compliance with CE and UN certificates, they are an ideal solution for professionals looking for efficient and reliable energy sources.



KT-LFP1250MG

## LiFePO<sub>4</sub> 12.8 V 50 Ah - BLUE Line

Capacity	50 Ah
Rated voltage	12.8 V
Lifespan	6000 (100% DoD), 12000 (60% DoD)
Max. continuous current	50 A
Max. charging current	50 A
Operating temp. range	-20°C to 60°C
Charging temp. range	0°C to 45°C
Weight	6.6 kg
Dimensions	197×166×174 mm
Other	iOS Android app, Heating mats



KT-LFP12200MG

## LiFePO<sub>4</sub> 12 V 200 Ah - BLUE Line

Capacity	200 Ah
Rated voltage	12.8 V
Lifespan	6000 (100% DoD), 12000 (60% DoD)
Max. continuous current	200 A
Max. charging current	100 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	23.7 kg
Dimensions	485×170×240 mm
Other	iOS Android app, Heating mats



KT-LFP12100MG

## LiFePO<sub>4</sub> 12.8 V 100 Ah - BLUE Line

Capacity	100 Ah
Rated voltage	12.8 V
Lifespan	6000 (100% DoD), 12000 (60% DoD)
Max. continuous current	100 A
Max. charging current	100 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	11.2 kg
Dimensions	307×168×210 mm
Other	iOS Android app, Heating mats



KT-LFP12300MG

## LiFePO<sub>4</sub> 12 V 300 Ah - BLUE Line

Capacity	300 Ah
Rated voltage	12.8 V
Lifespan	6000 (100% DoD), 12000 (60% DoD)
Max. continuous current	200 A
Max. charging current	100 A
Operating temp. range	-20°C to 60°C
Charging temp. range	-20°C to 45°C
Weight	39.4 kg
Dimensions	525×267×240 mm
Other	iOS Android app, Heating mats

# Chargers



Our chargers use advanced PWM signal control technology, ensuring stable charging parameters and low heat emission.

Kon-TEC chargers are advanced devices designed for charging LiFePO<sub>4</sub> batteries, available in various versions. The full range of chargers can be found on our website.

Our representatives are available to help you choose the right solution for your needs.

## High efficiency

PWM technology ensures high efficiency and stability of charging parameters.

## Security

Protection against overcharging, excessive discharging, overheating, and short circuits.

## Fast charging

Enables fast charging, reducing the time required for fully charging the battery.

## Compatibility

Compatible with various models of LiFePO<sub>4</sub> batteries, including Kon-TEC batteries.

## Waterproof

Waterproof models are ideal for applications in harsh environmental conditions.

**NEW**

## DL-4000 48 V / 50 A

Voltage	48 V
Charging current	50 A
Weight	8 kg
Dimensions (mm)	305×175×97
Charging time 100 Ah	2 h
Waterproof	No



## DL-240 12 V / 10 A

Voltage	12 V
Charging current	10 A
Weight	1.1 kg
Dimensions (mm)	195×92×64
Charging time 100 Ah	10 h
Waterproof	No

## DL-400 12 V / 20 A

Voltage	12 V
Charging current	20 A
Weight	1.5 kg
Dimensions (mm)	195×92×52
Charging time 100 Ah	5 h
Waterproof	No

## DL-900 12 V / 40 A

Voltage	12 V
Charging current	40 A
Weight	2.55 kg
Dimensions (mm)	275×135×70
Charging time 100 Ah	2.5 h
Waterproof	No

## DL-900 24 V / 20 A

Voltage	24 V
Charging current	20 A
Weight	2.5 kg
Dimensions (mm)	220×122×70
Charging time 100 Ah	5 h
Waterproof	No

## DL-2000 24 V / 50 A

Voltage	24 V
Charging current	50 A
Weight	4.4 kg
Dimensions (mm)	305×175×97
Charging time 100 Ah	2 h
Waterproof	No

## DL-1200 48 V / 20 A

Voltage	48 V
Charging current	20 A
Waga	3 kg
Dimensions (mm)	285×135×85
Charging time 100 Ah	5 h
Waterproof	No

## DL-300WP 12 V / 15 A

Voltage	12 V
Charging current	15 A
Weight	3.5 kg
Dimensions (mm)	285×150×85
Charging time 100 Ah	6.6 h
Waterproof	Yes

## DL-600WP 24 V / 18 A

Voltage	24 V
Charging current	18 A
Weight	3.5 kg
Dimensions (mm)	285×150×85
Charging time 100 Ah	5.5 h
Waterproof	Yes

## DL-1200WP 48 V / 18 A

Voltage	48 V
Charging current	18 A
Weight	4 kg
Dimensions (mm)	305×152×95
Charging time 100 Ah	5.5 h
Waterproof	No



# Additional accessories

## Balancers

### Balancer KT-04

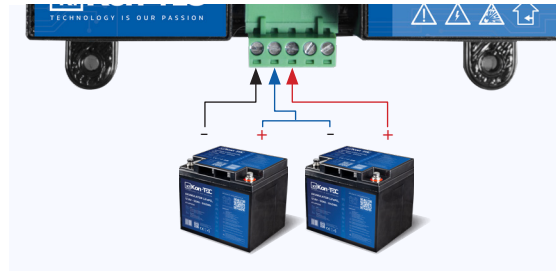


The four-channel KT-04 balancer from Kon-TEC is designed to balance the voltages of cells in LiFePO<sub>4</sub> batteries.

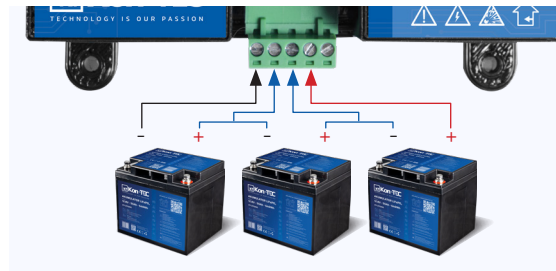
It maintains stable voltage during charging and discharging, which increases battery lifespan and ensures reliability.

Voltage	24 V, 36 V, 48 V
Balancing current range	Up to 2 A
Operating temperature range	-20°C to 65°C
Weight	0.5 kg
Dimensions (mm)	125 × 125 × 35

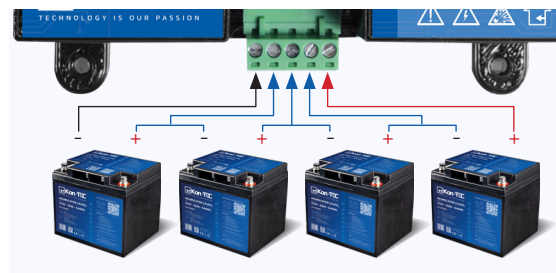
### 24 V



### 36 V



### 48 V



## Measuring devices

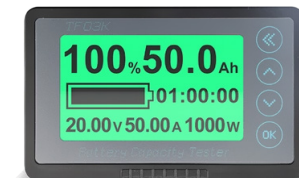
Our offer includes advanced measuring devices that enable monitoring and management of the condition of batteries and energy systems.

### LCD DC Display 8-100 V



Voltage range	8 - 100 V
Dimensions (mm)	96 × 48 × 25
Weight	0.3 kg

### Coulometer TF03K/TK15



Voltage range	8 - 100 V
Max. current	350 A
Dimensions (mm)	110×65×25
Weight	0.35 kg

# Products from well-known brands

# Kon-TEC DEYE Training



## Victron Energy - Comprehensive Solutions for Power Supply and Renewable Energy

Victron Energy is a globally recognized manufacturer of advanced power supply systems.

Their product range includes inverters, chargers, solar panels, and energy monitoring systems.

Victron products are used in maritime, industrial, mobile, and renewable energy sectors, ensuring reliable and efficient energy management in every situation. The Victron device ecosystem perfectly integrates with Kon-TEC batteries and energy storage systems.

Find the full range in our online store at [www.kon-tec.eu](http://www.kon-tec.eu).



## IEB Filon Futur - European Leader in LiFePO<sub>4</sub> Chargers

IEB is a leading European manufacturer of battery chargers.

For 40 years, IEB has been synonymous with pioneering development and production of battery charging and power systems.

Dedicated solutions for lithium-ion battery charging systems and the new universal FILON FUTUR Expert charging technology represent top-tier advancements.

The full offer can be found on our website [www.kon-tec.eu](http://www.kon-tec.eu). Our representatives will help you choose the right configuration for your needs.



Online training of installation and configuration of energy storage systems and DEYE hybrid inverters - a leader in hybrid inverters in Poland.

**Practical skills:** Learn how to safely and efficiently install and configure DEYE hybrid inverters and Kon-TEC energy storage systems.

**Certified trainer:** A photovoltaic industry expert will share their knowledge and experience.

**Online training:** Learn from anywhere, saving time and money on travel.

**Affordable price:** The training costs only 99 PLN / person.



# Service and technical support

## Service is our pride and unique advantage in the market.

Thanks to our in-house service team, we can offer our clients technical support at the highest level. Fast response, professional service, and high-quality repairs are just some of the benefits that set us apart from the competition. By investing in our products, you gain the assurance that, if needed, you will receive help from the best specialists who will ensure your equipment operates reliably for many years.

### Professional service

Our service provides high-quality support. We quickly and effectively resolve all client issues, tailoring services to their individual needs.

### Technical expertise

We offer access to qualified technicians who quickly diagnose problems and effectively resolve them.

### Availability of spare parts

We ensure quick access to spare parts, minimizing equipment downtime.

### Continuous updates and upgrades

Our products are monitored and improved to ensure the latest features and performance.

## What do you gain by using our service?

### 1 Faster repair times

In-house service ensures faster repair times, eliminating the need for external services.

### 2 Higher repair quality

Technicians have specialized knowledge of our products and access to original spare parts.

### 3 Quality guarantee

We provide a warranty for repairs performed, giving customers greater peace of mind.

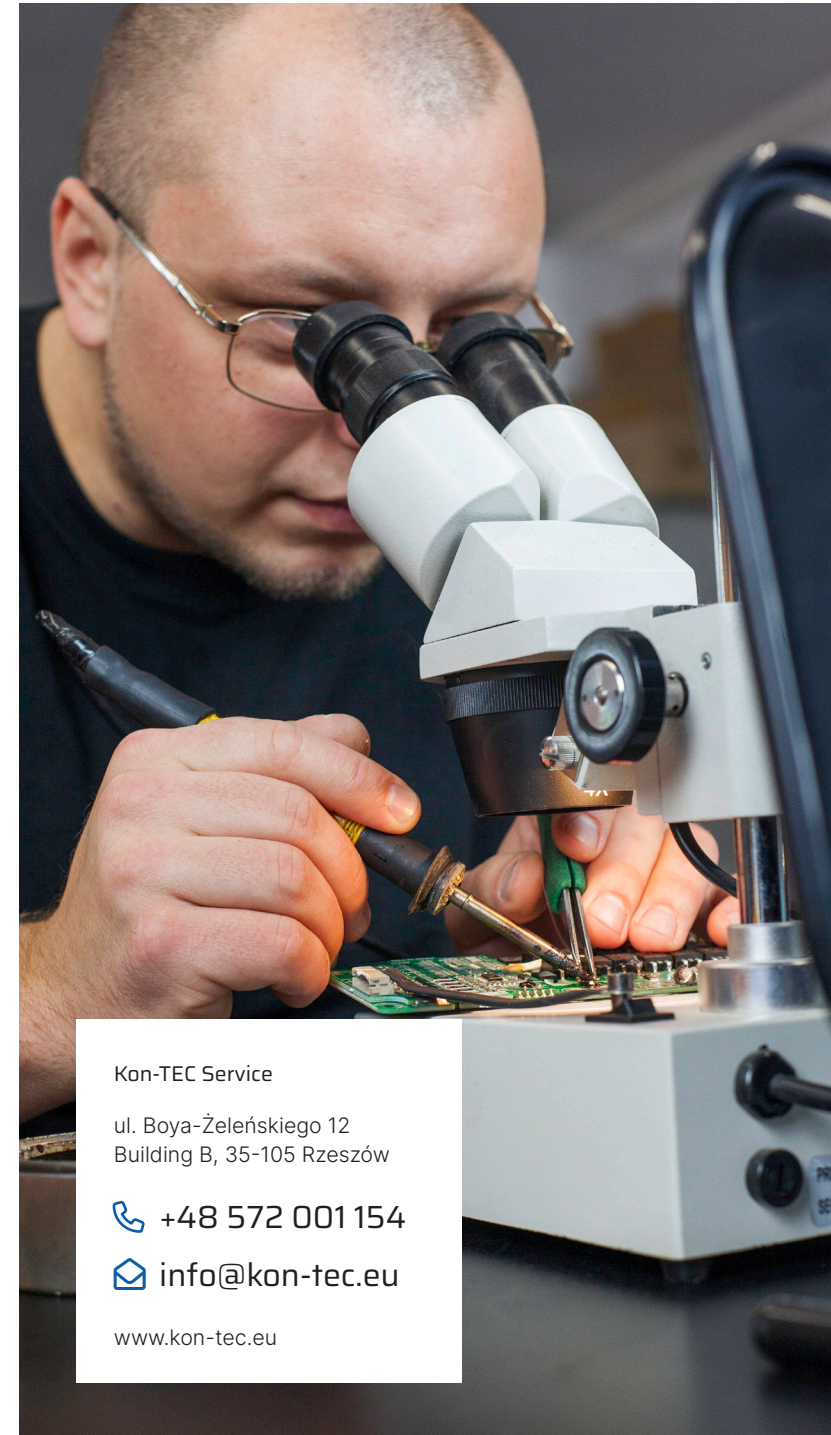
### 4 Personalized approach

Tailored solutions for customers, taking their needs and preferences into account.

### 5 Better communication

Direct contact with the service team provides easy access to information about equipment repairs.

We invite you to take advantage of our professional service offerings, ensuring long-lasting and trouble-free use of our products.



### Kon-TEC Service

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 [info@kon-tec.eu](mailto:info@kon-tec.eu)

[www.kon-tec.eu](http://www.kon-tec.eu)



Manufacturer of energy storage systems and batteries  $\text{LiFePO}_4$

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