

ktech

24V 100Ah solar lithium battery



The user manual is meant to offer you a brief walkthrough of the unit's features.

Please save the user manual for future reference.

Still need help? Please contact us via service@ktechsolar.com

 **User Guide**

IMPORTANT SAFETY INSTRUCTIONS

- Please read through all the labels on the battery and this user guide before the first use.
- Keep the battery away from rain, splashes and wet locations.
- DO NOT short circuit the battery.
- DO NOT reverse polarity connection.
- DO NOT expose the battery to fire, heat sources, or direct sunlight.
- DO NOT open, dismantle, or modify the battery.
- DO NOT drop, crush, shake, strike, or penetrate the battery.
- Please use the specified charger to charge batteries.

SPECIFICATIONS

Cell type	lithium iron phosphate (LiFeP04)
Rated capacity	102Ah(2611Wh)
Rated voltage	25.6V
Max.charging voltage	29.2V
Max.discharging current	100A
Max.charging current	100A
Cycle life	>5,000 cycles
Size (L x H x W)	532 x 207 x 215mm
Net weight	19.5kg
Charging temperature range	0°C ~ 50°C

Discharging temperature range	-20°C ~ 50°C
Storage temperature range	-20°C ~ 45°C (store for 1-3 months)
	0°C ~ 35°C (store for 1year)

TIPS FOR BETTER PERFORMANCE

1. Please make sure the batteries to be connected meet the following criteria:

- Batteries have the same capacity (Ah).
- As the built-in battery management system may vary with brands, we advise you to choose batteries from the same brand for connection.

2. For optimal performance of batteries, we kindly advise you to take the steps below.

Step 1. Fully charge the batteries that are to be connected separately.

Step 2. Connect your batteries one by one in parallel. Please secure all cable connections between the cable lugs and the terminals.

3. To determine the cable size for your system, there are a few factors for consideration.

- The size of electrical load you want to power using your batteries.
- The distance between the electrical load and your batteries.

4. To store your battery, please bring the battery to a 30%-50% state of charge.

We also advise you to charge your battery every 6 months to prevent overdischarge.

WARRANTY

KTECH lithium batteries are covered by a 3-year limited warranty from the original purchase date. If any problems occur, please contact our support team. We only provide after-sales services for products that are sold by KTECH or retailers and distributors authorized by KTECH. If you have purchased your unit from other channels, please contact your seller for more information about return and warranty.

The following conditions are not covered by the warranty:

1. Use the product not in accordance with the technical parameters;
2. The appearance of the product is damaged after use;
3. Disassemble or repair the machine by yourself;
4. Product performance failure due to human causes;
5. Damage caused by force majeure factors such as natural disasters, lightning, accidents, etc.

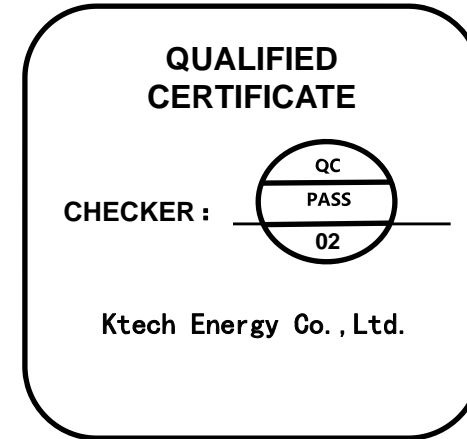
SUPPORT INFORMATION

If you have any questions or concerns, please send us an email at service@ktechsolar.com.

Major troubleshooting

Fault phenomenon	troubleshooting	solutions
The product cannot be charged	1. The charger, product and mains power are not in good contact.	Check whether the charger, product and mains power are in good contact
	2. Good contact, but unable to charge.	The battery is damaged, please contact after-sales service
No battery output	1. The connection cable between the device and the battery is not plugged in properly.	Make a good connection between the battery and the device
	2. Low battery power.	Charge the battery
	3. After discharging according to point 1 .2 above, there is still no output.	The battery is damaged, please contact after-sales service

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contact us

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