



ENERGYPAK PLUS 280 INSTRUCTION & USER MANUAL

Due to UN transportation regulations, the EnergyPak Plus 280 battery is packaged separately from the EnergyPak Plus 280 mounting kit. Both packages are necessary to mount and use the EnergyPak Plus 280 on a compatible Giant/Liv E-Bike.

SPECIFICATIONS

- Type: Lithium-Ion
- Voltage: 48V
- Capacity: 5940mAh
- Dimensions: 221mm * 99mm * 74mm
- Weight: 1.5kg
- Operating temp (charge): 0°C ~ 45°C
- Operating temp (discharge): -20°C ~ 60°C
- Storage temp (short term): -20°C ~ 50°C
- Storage temp (long term):
 - less than 3 months: -20 ~ 40°C
 - less than 1 year: -20 ~ 20°C

CONTENTS

- EnergyPak Plus Package
 - 1x EnergyPak Plus 280 Battery
- Mounting kit Package
 - 1x Lock unit
 - 1x Battery bracket
 - 2x M3 Bolts
 - 4x M4 Bolts
 - 2x M5 Bolts

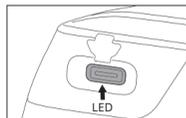
COMPATIBILITY

The EnergyPak Plus 280 is compatible only with specific Giant or Liv bikes of model year 2026 or later. These specific bikes are equipped with 48V EnergyPak Smart battery and a frame with water bottle holes on down tube for the EnergyPak Plus 280 Mounting Kit. Always consult your local Giant dealer if more information and advice on compatibility, installation and usage is needed.

CHARGING and USING THE ENERGYPAK PLUS 280

The EnergyPak Plus 280 will arrive from the factory in a hibernate state. It must be activated first, by connecting it to the charger. It is recommended to fully charge the EnergyPak Plus 280 before the first use. To charge the EnergyPak Plus 280, please use the original 48V Smart Charger that was supplied with the bike. The estimated charging time from 0-60% of battery level is 2 hours and 10 minutes. To fully charge the battery you'll need 4 hours and 10 minutes due to a tapered charging pattern to extend the battery life.

During charging, the LED indicator on the side of EnergyPak Plus 280 will light up in white with a blink pattern. When it's fully charged, the LED will light up in a constant green. When the LED shows error signal in red, please remove the charger and connect again. If the error still exists, please visit your local Giant dealers for further support.

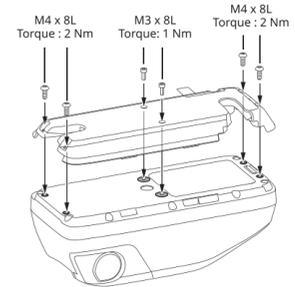


Charging status / Error		Battery Level	
100%	Green	60 ~ 100 (%)	White
0 ~ 99%	White Blink	40 ~ 60 (%)	Yellow
Battery Error	Red	20 ~ 40 (%)	Orange
		3 ~ 20 (%)	Red
		0 ~ 3 (%)	Red Blink

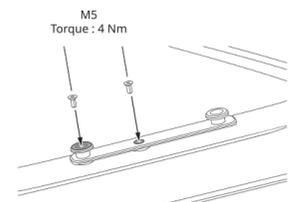
The installation guide below will take you through the process of battery assembly.

INSTALLATION

Install the lock unit on the battery



Install the battery bracket

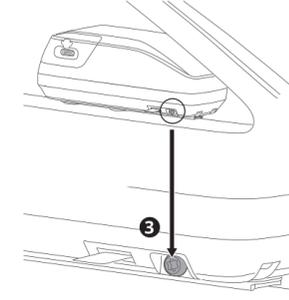


Install the battery

Rotate battery counterclockwise, to lock the battery set on the bracket.



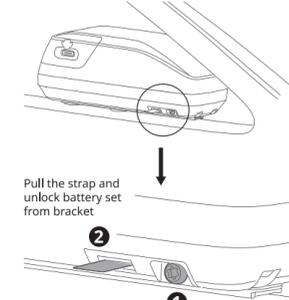
Insert the battery toward the pin on the bottom.



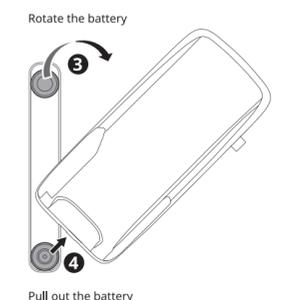
Tighten the safety lock bolt. Max torque : 2.4 Nm

DETACHMENT

Remove the battery from the bike



Loosen the safety lock bolt



Pull out the battery

THE ENERGYPAK PLUS 280 OPERATION

Before you turn on the EnergyPak Plus 280, please update your Smart Gateway to the latest version via APP or consulting your local Giant dealer. Make sure the EnergyPak Plus 280 is properly installed and connected to the E-bike.

STEP 1 The EnergyPak Plus 280 battery will discharge with the first priority, once it's connected to the ebike it will discharge first and swap to the main battery after drained. The battery indicator of the RideControl display will show charge levels of both main and second battery. Please note the top bar icon shows individual battery levels and the number of percentage indicates the remaining capacity of both batteries combined.

STEP 2 When using the EnergyPak Plus 280 you may also check its battery level status by pressing the LED indicator. Please refer to the LED definitions mentioned above.

STEP 3 When the EnergyPak Plus 280 battery is almost empty (<5%), the system will switch to the main battery automatically.

FREQUENTLY ASKED QUESTIONS

Q1: Can E-bike battery and the EnergyPak Plus 280 be charged at the same time?

A1: No. The charger can only charge a single battery at a time.

Q2: Can I use the EnergyPak Plus 280 without the main battery?

A2: Yes, the EnergyPak Plus 280 can be used alone without the main battery in the frame.

Q3: How many times can I charge my EnergyPak Plus?

A3: As many and often as necessary. However, all batteries degrade over time, and will eventually wear out. The rate at which the battery capacity will degrade depends on various circumstances, like age, workload, temperature and the number of (dis) charges.

Q4: How does display show battery level?

A4: The display will show the total level percentage of both EnergyPaks combined and individual battery levels with icons on the status bar.

Q5: How does display show remaining range of the battery?

A5: The display shows the remaining range of both EnergyPaks combined.

Q6: Can I turn on the EnergyPak Plus 280 after main battery has already drained?

A6: Yes, the EnergyPak Plus 280 can be used alone.

Q7 Can I install the EnergyPak Plus 280 on the other position besides downtube?

A7: No, to avoid excessive stretching and folding the cable. The EnergyPak Plus 280 is designed with specific downtube mounting bracket and should not be mounted on any other position to ensure the security.

EXCLUSIONS

- Normal wear and tear on parts in situations where there are no assembly or material defects.
- Bicycles serviced by other than an Authorized Giant dealer.
- Modifications from the original condition.
- Use of the bicycle for abnormal, competition and/or commercial activities or for purposes other than those for which the bicycle was designed.
- Damage caused by failing to follow the owner's manual.
- Paint finish and decal damage resulting from taking part in competitions, jumping, downhill and/or training for such activities or events or as a result of exposing the bike to, or riding the bike in, severe conditions or climates.
- Labor charges for part replacement or changeover.
- Except as is provided by this warranty and subject to all additional warranties, Giant and its employees and agents shall not be liable for any loss or damage whatsoever (including incidental and consequential loss or damage caused by negligence or default) arising from or concerning any Giant bicycle.

WARRENTY

Giant warrants for the original owner of the EnergyPak Plus 280 (incl. mounting kit) to be free from defects in material and workmanship for the period of two years from the date of purchase, for 60% of the battery's original nominal capacity at a maximum of 250 charges. This warranty applies only when the EnergyPak Plus 280 is purchased new from an Authorized Giant Dealer.

LIMITED REMEDY

Unless otherwise provided, the sole remedy under the above warranty, or any implied warranty, is limited to the replacement of defective parts with those of equal or greater value at the sole discretion of Giant. This warranty extends from the date of purchase, applies only to the original owner, and is not transferable. In no event shall Giant be responsible for any direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, product liability, or any other theory. Giant makes no other warranties, express or implied. All implied warranties, including the warranties of merchantability and fitness for a particular purpose are limited in duration to that of the express warranties stated above. Any claim against this warranty must be made through an Authorized Giant Dealer or distributor. The purchase receipt or other proof of the date of purchase is required before a warranty claim may be processed. Claims made outside the country of purchase may be subject to fees and additional restrictions. Warranty duration and detail may differ by country. This warranty gives you specific legal rights, and you may also have other rights which may vary from place to place. **THIS WARRANTY DOES NOT AFFECT YOUR STATUTORY RIGHTS.**

DISPOSAL

According to directive 2006/66/EC of the European Parliament, defective or used batteries, battery packs or single cells must be collected separately and disposed of in an environmentally friendly manner. Used cells and batteries are recyclable economic goods. In accordance with the marking showing a crossed-out waste bin, these batteries may not be disposed of as domestic waste.

NOTICE

- Used batteries must be treated as hazardous waste.
- Batteries must be disposed of in accordance with the relevant national environmental protection regulations.
- Return batteries to a recycling facility, or an authorized Giant dealer.
- In case of uncertainty, please contact Giant customer service department.

SAFETY, STORAGE and TRANSPORTATION

The same rules regarding safety, storage and transportation that apply to your Giant or Liv E-bike and EnergyPak Smart, also apply to the EnergyPak Plus 280. Please refer to your e-bike's user manual and make sure you have read and understood all information. If you don't have access to your e-bike's manual, ask your dealer for a paper copy or download a digital copy of the e-bike manual via the QR code as shown.



CAUTION

- Do not open or disassemble, short-circuit, crush, drop or dispose in fire or liquid.
- Do not charge this battery with any other type of charger than the one provided originally with this bicycle.
- Do not charge and store in damp environment.
- Do not charge this battery below 0°C or above 40°C.
- There is risk of fire or explosion if the battery is not treated according to these safety cautions.
- Dispose of used batteries according to local ordinance and/or regulations.
- Charging conditions: Step charging.

TYPE C PORT

The EnergyPak Plus 280 can also function as a powerbank to charge your device. Use the type C port in well ventilated areas and dry conditions only. Always make sure the type C port cover is fully closed during riding with the EnergyPak Plus 280.

How to use the USB port:

- Pull and lift the type C port cover to expose the type C port.
- Connect your device with a compatible type C cable.
- When finished, remove the device and cable from the EnergyPak Plus 280
- Close the type C port cover.

The type C charging function will be temporarily off if the EnergyPak 280 hasn't been used for more than 24 hours, no matter on an ebike or used as a power bank. Please press the LED indicator button to activate the type C charging status.

