

Ginnov



EBIKE BATTERY PRODUCTS

—

2025

CATALOG

Global Manufacturing
Complete Industrial Chain

CONTACT US

Ginnov

 www.ginnovenergy.com

 sale@ginnovenergy.com

 Shigu, Tangxia, Dongguan, China



www.ginnovenergy.com

CONTENTS

01

Company Profile

02

Self-Developed and Produced BMS

03

Batteries

04

Chargers

05

Compatible with Drive Systems

G-INNOV EBIKE BATTERY

G-innov Provides Customized Battery Solutions



COMPANY PROFILE

Since the 1980s, GINNOV has been at the forefront of innovation in the energy industry and has now become a global leader in energy technology. Our energy product line adheres to this tradition, providing efficient, reliable and intelligent power cores for high-demand application scenarios worldwide.

As a comprehensive enterprise integrating R&D, manufacturing and sales, GINNOV integrates cutting-edge automation technology, strict R&D processes and comprehensive after-sales support to ensure the outstanding quality of energy products. We adhere to globally recognized standards: Quality Management: TS16949:2016 / ISO9001:2015 (automotive reliability), Environmental Management: ISO14001:2004.

We provide ecologically safe and sustainable solutions through FMEA analysis, lean production methods and a complete RoHS compliance system.

GINNOV has over 7,000 employees and 200,000 square meters of facilities in more than 10 regions around the world, including Mexico, Vietnam, Romania and China, providing rapid response and localized support to global customers.

Our application-oriented partnership works closely with users to analyze real-world scenarios and design energy solutions that address real challenges. Not only manufacturers, but also problem-solving partners, providing flexible JDM/ODM/EMS services - from concept to mass production, optimizing and perfecting your unique needs.

The reasons for choosing GINNOV energy are as follows: We have innovative technologies, derived from the core power expertise of global leaders; With ultimate reliability, it is specially designed for high-pressure, harsh environments and diverse applications. It has internationally recognized full-process quality control. It has a worldwide production and service network; There is JDM/ODM service..... We will be your reliable power partner.

EMS EXPERIENCE
40⁺ Years

TURNOVER IN 2025 (USD)
632⁺ Million

GAGR OF RECENT 5 YEARS
13%

FACTORIES
12⁺

EMPLOYEES
6000⁺

OVERSEA OFFICES
4



Sunstrong Factory
26,000m²



Gaoli Factory
15,000m²



Yilisha Factory
52,000m²



Heyuan Factory
80,200m²



Shenzhen Factory
10,000m²



Bright Express
Factory
82,000m²



Torreon Factory
26,000m²



Timisoara Factory
5,000m²



Phase I Factory
5,200m²



Phase II Factory
2,000m²



Phase III Factory
2,200m²



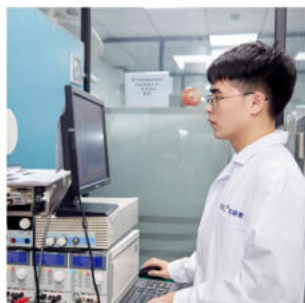
Phase IV Factory
39,000m²

Quality Assurance



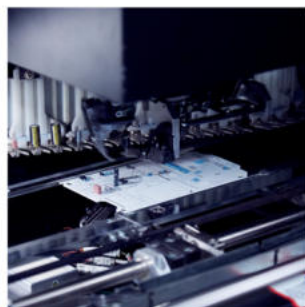
Strict QC

Internationally
Recognized Full-Process
Quality Control



Integrated Technical, R&D,
and After-Sales
Services

Integration Services



Our manufacturing company adheres to the principle of "Quality First," testing and inspecting all products to ensure consistent performance and reliability.

30 +

PCBA Production Line

85 +

CNC Lathes

200 +

Injection Equipment

100 +

Lean Production Line

240 +

CNC Milling

40 +

Die Casting Equipment

780T +

Maximum Tonnage

2500T +

Maximum Tonnage



02

SELF-DEVELOPED AND PRODUCED BMS



Strict temperature control system to avoid high temperature.
Early warning system to ensure rider's safety.



More reasonable SOC (State of Charge) setting to display mileage precisely and extend battery life.



Cell balancing function to improve battery life further.



Low electricity consumption design to ensure long distance ride and increase battery storage time.



EN15194:2017(EN50604) certified by TUV/SGS, UL2271 certified by UL.



Good design to ensure dual/multi batteries work together.



Five different BMS platforms satisfy various requirements.



Smart diagnosis can be used to facilitate after-sales services.

03

BATTERY

B36-DP2-3

The B36-DP2-3 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.



- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

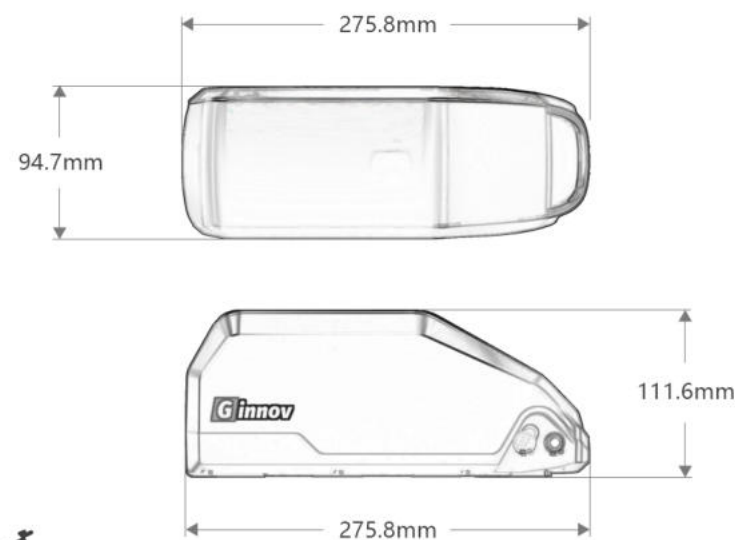


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	15Ah
Battery cell type	21700
Battery type	10P3S \ 36V 15AH
Fault protection	Downtube
Waterproof level	EN50604
Working temperature range	> =IPX5
	-20°C ~ 60°C

03

BATTERY

B36-DP2-7

The B36-DP2-7 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



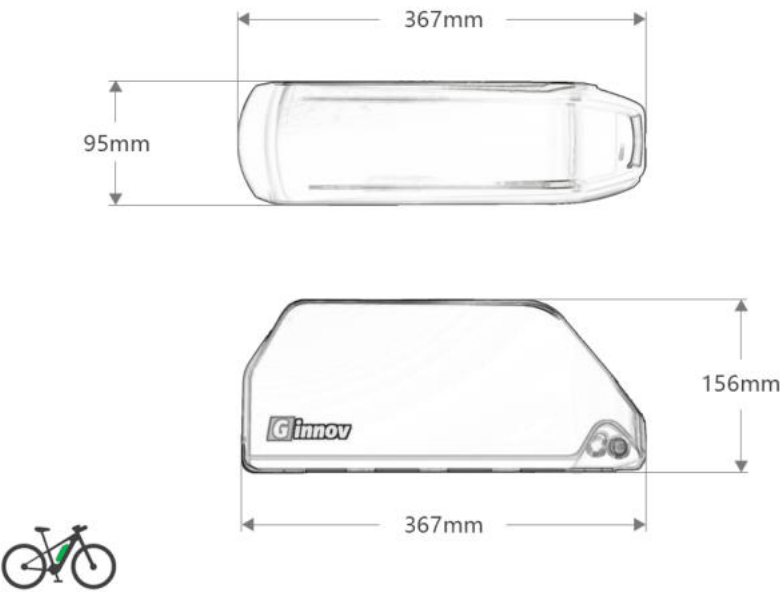
Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable



parameter



Basic data :

Maximum capacity	35Ah
Battery cell type	21700 \ 10S7P \ 36V 35AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C~60°C

03

BATTERY

B36-DP3V2

The B36-DP3V2 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



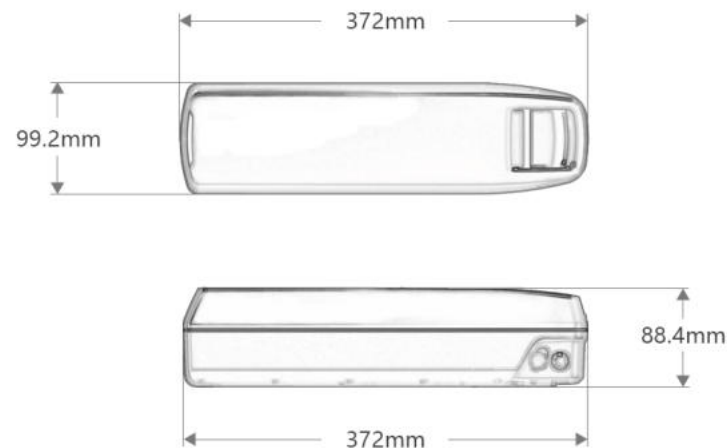
Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable



parameter



Basic data :

Maximum capacity	15Ah
Battery cell type18650	13S4P \ 48V 14AH
Battery cell type21700	13S3P \ 36V 15AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20℃~60℃

03

BATTERY

B36-DP4 B48-DP4

The B36-DP4 / B48-DP4 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.



- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

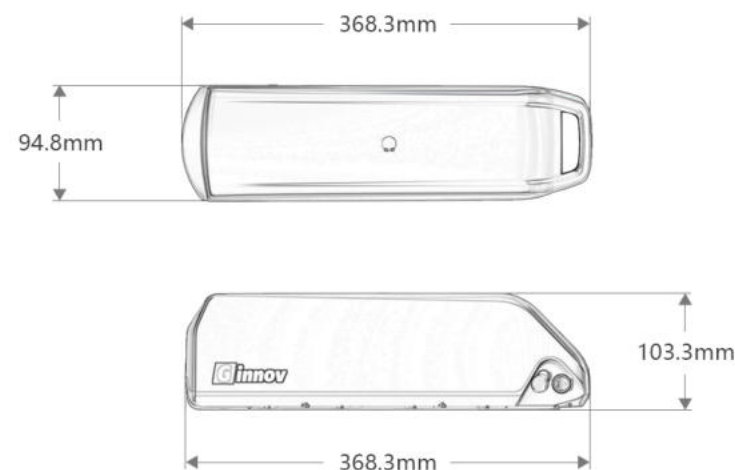


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	23Ah
Battery cell type18650	13S4P \ 48V 14AH
Battery cell type21700	10S4P \ 36V 20AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	>=IPX5
Working temperature range	-20°C~60°C

03

BATTERY

B36-DP5-2 B48-DP5-2

The B36-DP5-2 / B36-DP5-2 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.



- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

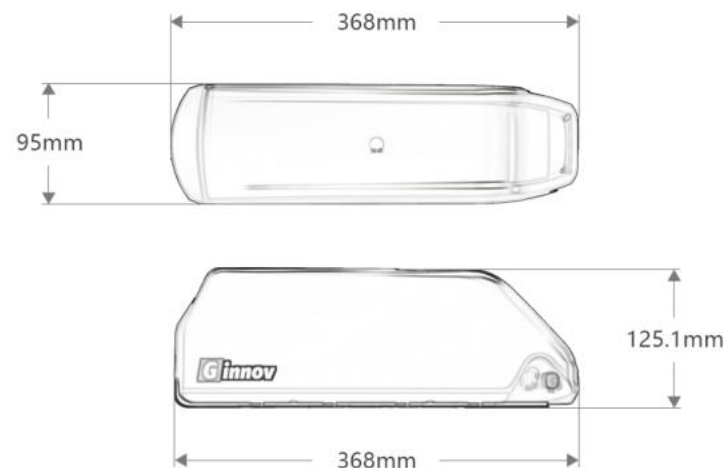


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	20Ah
Battery cell type18650	13S5P \ 48V 17.5AH
Battery cell type21700	13S4P \ 36V 20AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	>=IPX5
Working temperature range	-20°C~60°C

03

BATTERY



B36-DP5C

The B36-DP5C battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	14Ah
Battery cell type	18650
Battery type	13S4P
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C~60°C

03

BATTERY

B48-DP5

The B48-DP5 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



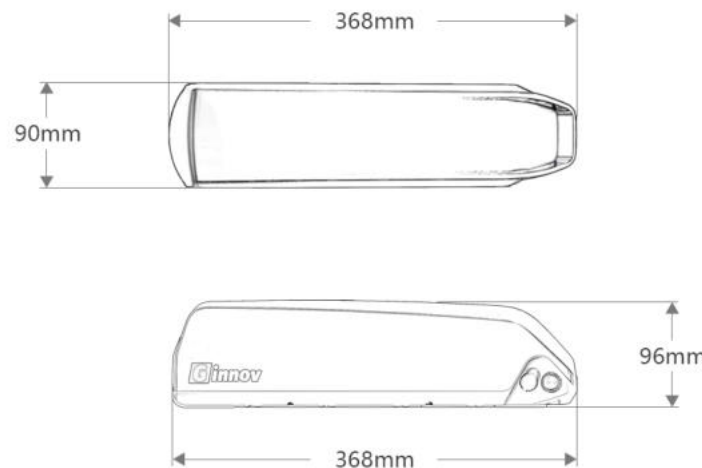
Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable



parameter



Basic data :

Maximum capacity	14Ah
Battery cell type	18650 \ 48V 14AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

03

BATTERY



B48-DP5CV2

The B48-DP5CV2 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

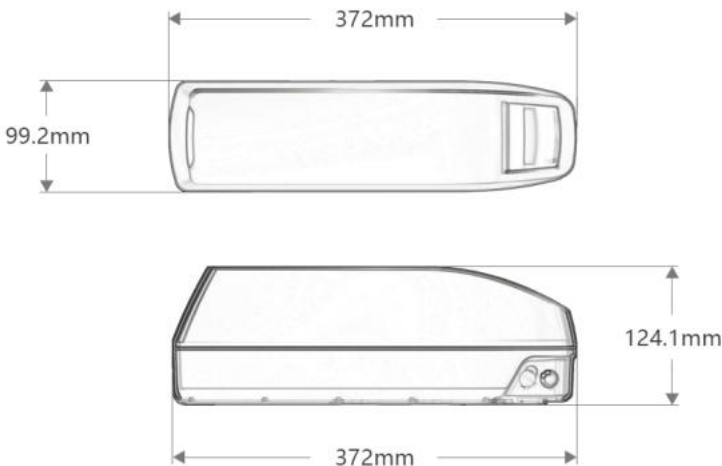


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	21Ah
Battery cell type18650	13S6P \ 48V 21AH
Battery cell type21700	13S4P \ 48V 20AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C~60°C

03

BATTERY



B48-DP6C

The B48-DP6C battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

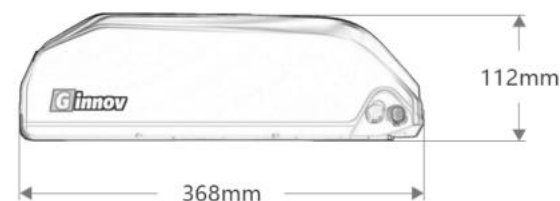


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	17.5Ah
Battery cell type	18650 \ 48V 17.5AH
Battery type	Downtube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

03

BATTERY

B36-GH

The B36-GH battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



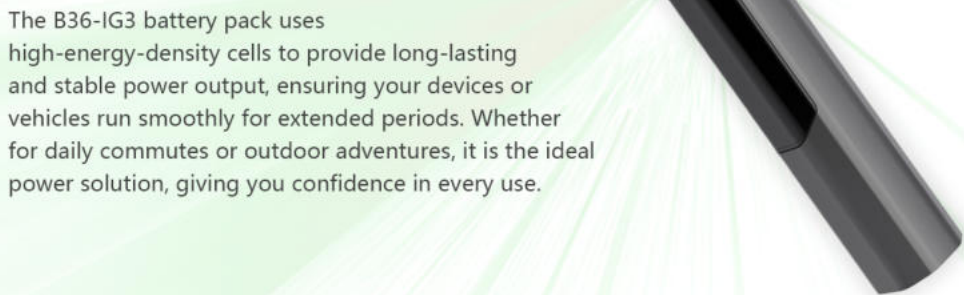
Basic data :

Maximum capacity	10Ah
Battery cell type	21700 \ 36V 10AH
Battery type	In Tube
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C~60°C

03

BATTERY

B36-IG3



The B36-IG3 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

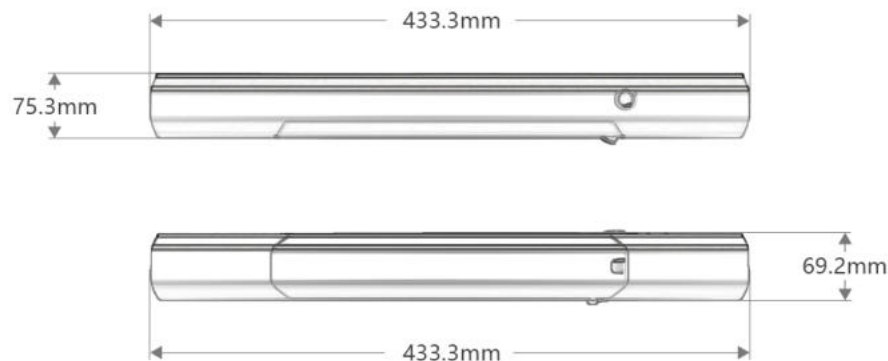


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



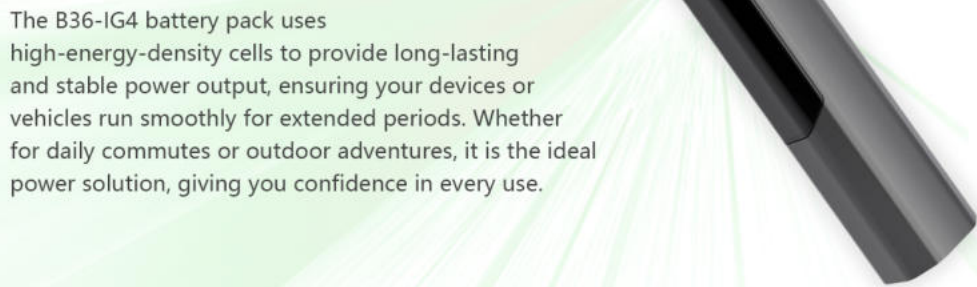
Basic data :

Maximum capacity	15Ah
Battery cell type	18650 \ 36V 15AH
Battery type	Integrated
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

03

BATTERY

B36-IG4



The B36-IG4 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

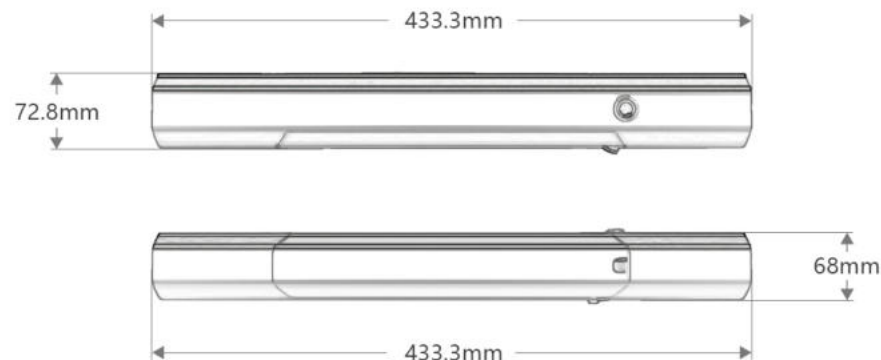


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	20Ah
Battery cell type	18650 \ 26V 20AH
Battery type	Integrated
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

03

BATTERY

B48-IG5

The B48-IG5 battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable



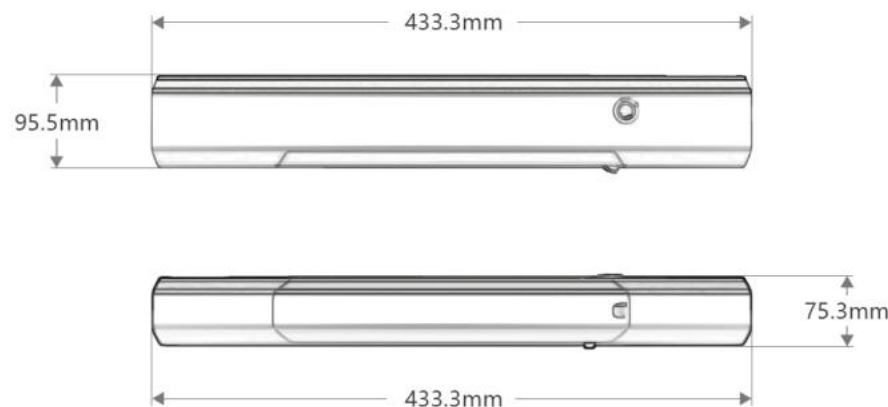
Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable



parameter



Basic data :

Maximum capacity	20Ah
Battery cell type	18650 \ 48V 20AH
Battery type	Integrated
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

03

BATTERY



B48-RA4C

The B48-RA4C battery pack uses high-energy-density cells to provide long-lasting and stable power output, ensuring your devices or vehicles run smoothly for extended periods. Whether for daily commutes or outdoor adventures, it is the ideal power solution, giving you confidence in every use.

- * The model complies with international standards such as EN50604.
- * Ultra-large capacity, with over 50% increase in single-charge battery life.
- * High protection rating, all meeting or exceeding IPX5 waterproof standard, with strong durability.
- * Features a downtube/integrated modular design for easy installation and maintenance.
- * Multi-cell compatibility, supporting 18650/21700 cells, adaptable to different voltage and capacity requirements.



High Energy Density
High Energy Density



Safe and Reliable
Safe and Reliable

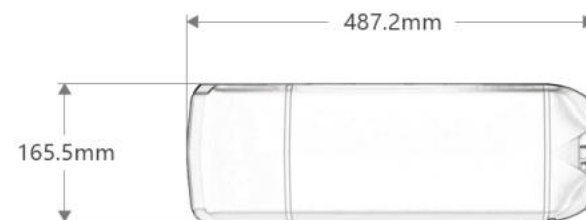


Long Cycle Life
Long Cycle Life



Highly adaptable
Highly adaptable

parameter



Basic data :

Maximum capacity	15Ah
Battery cell type	18650 \ 60V 15AH
Battery type	Rear Carrer
Fault protection	EN50604
Waterproof level	> =IPX5
Working temperature range	-20°C ~ 60°C

04

CHARGERS

Faster Service & Support



Response
with in **24** hours



Visit with in
3 working days



Repair completed
with **72** hours
(per battery pack)



Smart Charger

Smart technology to improve charging safety and battery life.



Compact casing



Nice tooling



ID identification to avoid misuse



Early warning of abnormal charging



Intelligent charging mode to prolong battery life

Output Voltage

36V

36V

Output Current

2A

4A

Dimensions

187*90*46mm

205*102*52mm

Communication

Single

Single

Standard

European/American standard

American standard

Certification Ready

UL/CE/GS

UL

/ SAFER / SMARTER / PROLONG SERVICE LIFE /

05

COMPATIBLE WITH DRIVE SYSTEMS



Ginnov batteries are flexibly compatible with all kinds of drivesystems according to customers' requests, continuously providing strong power to smooth riding experience.



Simple and easy handling



Diagnose battery problem



Update battery program



Collect battery information



Track battery entire lifecycle according to EU 2013/1542



IOT

- * Full Netcom 2G/4G communication module.
- * Bluetooth communication 5.1 or above.
- * GPS/Galileo/BDS.
- * Built-in vibration sensor to recognize device movement and other information.

A young woman with long brown hair, wearing a green polo shirt and dark shorts, is sitting on a patterned picnic blanket on a grassy lawn. She is smiling and looking down at an open book in her hands. Behind her, a white bicycle is parked on the grass. The background is filled with lush green trees and foliage, suggesting a park or a sunny outdoor setting. The overall atmosphere is peaceful and leisurely.

**Thanks
for watching**