

TOPBAND THE NEW STANDARD

EBIKE BATTERY

RECHARGEABLE BATTERY



100%
Capacity

500W
Power

100%
Safety

TOPBAND EBIKE BATTERY

Topband Supports Battery Customization Services



CONTENT

01

Company Profile

02

Self-Developed and
Produced BMS

03

Dual/Multi Battery Solutions

04

Batteries

05

Chargers

06

Diagnostic Tool

07

Compatible with Drive Systems

TOPBAND 拓邦

1.COMPANY PROFILE

Topband was established in 1996 and became the first listed company specialized in BMS(=battery management system) in China in 2007(Stock Code:002139). Based on such technical advantages and experiences, Topband becomes one of the most professional eBike battery manufacturers.

Topband has 8000 employees, including 1500 engineers, and has advanced BATTERY and BMS factories in China, Vietnam and Romania. Our Vietnam and Romania battery factories can help complete eBikes get enough non-Chinese part value to avoid EU anti-dumping and US tariff increase for eBike. Meanwhile, Topband can provide R&D support all over the world and has after-sales centers in Europe and US to address customer concerns quickly.

Topband takes the lead in having passed new battery regulations, such as, EN50604 and UL2271. Topband Vietnam and Romania factories produce most of the battery components locally, especially BMS, to ensure batteries have enough local part value and longer producing procedure to get official local certificate of origin, for example, EURI, FormX, FormD and Romania origin.

Topband have good cooperation with many drive systems, for example, Shimano, Bafang, Motinova, Ananda, etc. Topband possesses international level CNAS laboratory with TUV, DEKRA,UL witness test qualification and the first-rate manufacturing equipments to ensure good quality.

We commit ourselves to be your reliable partner!



1996

Founded in



8000+

Employees



2900+

Patents





8.1%

R&D investment

Topband Worldwide



 5 Offices

 9 Operation /Production Sites

 2 Service Centers

Manufacturing Capability



Test Capability



Safety Laboratory



IP Waterproof Test Machine



EMC Lab



Battery Charge/Discharge Test Cabinet



EN50604 Certificate



CB Certificate



UL Certificate



EUR 1 C/O



Form D C/O



Form X C/O



2012 Witness test certification



2014 International Lab certification



2016 Witness test certification



2017 Witness test certification



2020 EMC lab



2022 Witness test certification

2.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) settings 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.



3. DUAL/MULTI BATTERY SOLUTIONS



Dual/Multi batteries provide longer range, more power.



Dual/Multi batteries co-work with good stability, less heating and low resistance.



Dual/Multi batteries can be designed according to customers' requests.

4. BATTERIES



PARAMETER

Parameter	BT 6			
	BT6 (Lithium)		BT6 (NiMH)	
Cell Type	Li-ion	NiMH	Li-ion	NiMH
Maximal Storage	300	300	300	300
Maximal Capacity	12.00Ah	8.00Ah	12.00Ah	7.00Ah
Energy Content	360Wh	240Wh	360Wh	210Wh
Watt	Max. 1000Watt			
Electrolyte/Control	-0.020 (AA)			
Certification	CE, RoHS, REACH, UN38.3, IEC62133, UN3090, UN3480, UN3091, UN3481, UN3092			
Accessories (included)	Battery + Charger (BT 6 only)			
Warranty	1 Year			

IT8


Compact

PARAMETER

Model Name	IT8
Cell Type	18650
Configuration	10S4P
Nominal Voltage	36V
Nominal Capacity (Max)	14Ah
Energy Content (Max)	504Wh
BMS	Smart / Standard
Communication Protocol	CAN / UART
Certification	EN 15194:2017 / EN50604 / UL2271/ UN38.3 / ISO13849 / CE / ROHS
Battery Dimension (L*W*H)	412mm×66mm×66mm
IP Grade	> IPX6

IT3

▲
Up
Release



▼
Down
Release



High
Capacity

PARAMETER

Model Name	IT3			
Cell Type	21700 (5.0Ah)		21700 (5.8Ah)	
Nominal Voltage	36V	36V	36V	36V
Nominal Capacity	20Ah	15Ah	23.2Ah	17.4Ah
Energy Content	720Wh	540Wh	835Wh	624.4Wh
BMS	Smart / Standard			
Communication Protocol	CAN / UART			
Certification	EN 15194:2017 / EN50604 / UL2271/ UN38.3 / ISO13849 / CE / ROHS			
Battery Dimension (L*W*H)	410mm × 76.6mm × 87.4 mm			
IP Grade	> IPX6			

IT2

Up
Release



Down
Release



Compact

PARAMETER

Model Name	IT2
Cell Type	18650
Configuration	10S4P
Nominal Voltage	36V
Nominal Capacity (Max)	14Ah
Energy Content (Max)	504Wh
BMS	Smart / Standard
Communication Protocol	CAN / UART
Certification	EN 15194:2017 / EN50604 / UL2271 / UN38.3 / ISO13849 / CE / ROHS
Battery Dimension (L*W*H)	422mm×66mm×66mm
IP Grade	> IPX6

RS3

PARAMETER

Model Name	RS3
Cell Type	21700
Configuration	10S2P
Nominal Voltage	36V
Nominal Capacity (Max)	10.4Ah / 11.6Ah
Energy Content (Max)	374Wh/417Wh
BMS	Smart / Standard
Communication Protocol	CAN / UART
Certification	EN 15194:2017 / EN50604 / UL2271 / UN38.3 / ISO13849 / CE / ROHS
Battery Dimension (L*W*H)	422mm×70mm×70mm
IP Grade	> IPX6

DT01

Excellent
Waterproof

PARAMETER

Model Name	DT01
Cell Type	21700
Configuration	10S4P
Nominal Voltage	36V
Nominal Capacity (Max)	20Ah / 21Ah
Energy Content (Max)	720Wh / 756Wh
BMS	Smart / Standard
Communication Protocol	CAN / UART
Certification	EN 15194:2017 / EN50604 / UL2271/ UN38.3 / ISO13849 / CE / ROHS
Battery Dimension (L*W*H)	387mm×95mm×100mm
IP Grade	> IPX7

IH1Up
ReleaseDown
ReleaseHigh
Capacity

PARAMETER

Model Name	IH1			
Cell Type	21700		18650	
Configuration	10S4P	13S3P	10S6P	13S5P
Nominal Voltage	36V	48V	36V	48V
Nominal Capacity (Max)	20Ah	15Ah	21Ah	17.5Ah
Energy Content (Max)	720Wh	720Wh	756Wh	840Wh
BMS	Smart / Standard			
Communication Protocol	CAN / UART			
Certification	EN 15194:2017 / EN50604 / UL2271 / UN38.3 / ISO13849 / CE / ROHS			
BatteryDimension (L*W*H)	392.3mm×83.9mm×87mm			
Weight	<5 kg			
IP Grade	>IPX6			

RS2**PARAMETER**

Model Name	RS2- HAITIAN III	
Cell Type	21700	18650
Configuration	10S2P	10S4P
Nominal Voltage	36V	36V
Nominal Capacity (Max)	10 Ah	14Ah
Energy Content (Max)	360 Wh	504Wh
BMS	Smart /Standard	
Communication Protocol	CAN / UART	
Certification	EN 15194:2017 /EN50604 / UL2271/ UN38.3 / ISO13849 / CE / ROHS	
Battery Dimension (L*W*H)	320mm ×55.3 mm ×147.4 mm	
IP Grade	>IPX5	

IY2**PARAMETER**

Model Name	IY2	
Cell Type	18650	
Configuration	13S4P	10S5P
Nominal Voltage	48V	36V
Nominal Capacity (Max)	14Ah	17.5Ah
Energy Content (Max)	672Wh	630Wh
BMS	Smart /Standard	
Communication Protocol	CAN / UART	
Certification	EN 15194:2017 /EN50604 / UL2271/ UN38.3 t/ ISO13849 / CE / ROHS	
Battery Dimension (L*W*H)	409mm×100mm×75.2mm	
IP Grade	>IPX5	

IY3

Model Name	IY3-SWAN	
Cell Type	18650	
Configuration	10S4P	
Nominal Voltage/Capacity	36V 14Ah	
Energy Content	504 Wh	
Certification	EN 15194:2017 /EN50604 / UL2271/ UN38.3 / ISO13849 / CE / ROHS	

ID

Model Name	ID - WHITEBAIT	
Cell Type	18650	
Configuration	10S5P	
Nominal Voltage/Capacity	36V 17.5Ah MAX	
Energy Content(Max)	630Wh MAX	
Certification	EN 15194:2017 /EN50604 / UL2271/UN38.3 / ISO13849 / CE / ROHS	

IR1

Model Name	IR1- EEL PRO	
Cell Type	18650	
Configuration	10S5P	13S4P
Nominal Voltage/Capacity	36V 17.5Ah	48V 14Ah
Energy Content	630Wh	672Wh
Certification	EN 15194:2017 /EN50604 / UL2271/UN38.3 / ISO13849 / CE / ROHS	

IR3

Model Name	IR3- EEL MINI	
Cell Type	18650	
Configuration	10S4P	13S3P
Nominal Voltage/Capacity	36V 14Ah	48V 10.5Ah
Energy Content	504Wh	504Wh
Certification	EN 15194:2017 /EN50604 / UL2271/UN38.3 / ISO13849 / CE / ROHS	

E-Motorcycle Battery



Model Name	E-motorcycle Battery
Specs	72V 58Ah
Mold type	Soft pack
Cell layout	20S1P
Usage voltage	56-84V
Rated capacity	58Ah(1C)
Casing	Aluminum
Dimension	292*268*265mm
Cell type	Ternary Li-thium battery
Standard continuous discharge current	1C
Maximum continuous discharge current	3C
IP grade	IP67
Communication	Yes
Charging ambient temperature	0-45°C
Discharging ambient temperature	-10-55°C

IOT



Model Name: IOT

Support Full Netcom 2G//4G communication module

Support LTE-FDD:B1/B3/B7/B8/B20

Support GSM:B3/B8

Support Bluetooth communication

Support Bluetooth 5.1 or above

Support GNSS Positioning

Support GPS/Galileo/BDS

Support battery pack power supply interface

Wide voltage battery power input, power range 9V-90V

Supports power failure

Built-in backup battery pack, can still work for 2 hours after the main device is turned off.

Support vibration detection

Built-in vibration sensor to recognize device movement and other information.

5.CHARGERS

2A Charger



Model	2A Charger
Input voltage	100-240Vac
Output voltage	42V
Output current	2A

4A Charger







Model	4A Charger
Input voltage	100-240Vac
Output voltage	42V
Output current	4A

6A Charger



Model	6A Charger
Input voltage	100-240Vac
Output voltage	42V
Output current	6A

6.DIAGNOSTIC TOOL

-  Simple and easy handling
-  Diagnose battery problem
-  Update battery program
-  Collect battery information



7.COMPATIBLE WITH DRIVE SYSTEMS

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



