



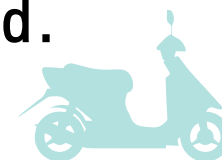
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ABOUT US



 Headquarter(135 ppl)

 3 Production sites (550 ppl)

 2 European branches

 In-house BMS Production

Year 2008-2015

- CEO Bluen Lee established LEV battery division in the group company, and focus on intelligent manufacture in the LEV battery industry. 3 semi-automatic assembly line were established, with monthly capacity more than 2,000,000 units.

Year 2016

- Shenzhen Tritex Limited was established to focus on the overseas market.

Year 2016-2019

- Tritex work closely with the leading manufacturers of drive systems, e bikes, and e scooters, from Netherland, Germany, Spain, etc. We are proud that we are also the battery partner approved by the giant automotive companies in the world.

Year 2020

- Tritex started to launch IATF16949 in the quality control of the lev battery design and production.

Year 2021-2022

- To automate the production line, Tritex invested more than 100 million RMB in 3 SMT lines for PCBA production, and 4 semi-automatic lines for battery assembly.
- Anhui Tritex Power Limited is established
- Tritex Spain branch is established, to provide onsite service for European market.

Year 2023-2026

- Tritex Europe GmbH is established
- Approaching 0km distance service worldwide, more service centers in Europe and North America are coming soon.
- Tritex Production site goes international, expanding in Southeast Asia and Europe.

OUR MISSION

We turn the customers' idea into perfect battery products

Customer oriented design



IATF16949: PPAP, QCP



Perfect battery products



Product design



Project planning

Customer idea



DFMEA



Costing

Design output

Sampling

Pre-series

Mass production

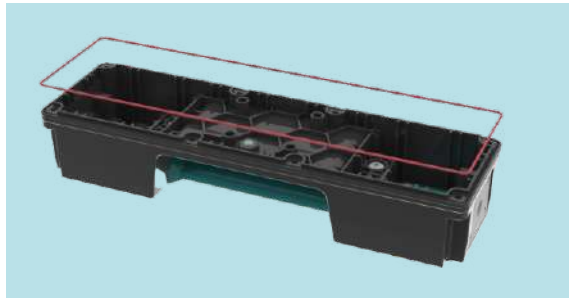
- ◎ PFMEA
- ◎ Function validation
- ◎ Reliability validation
- ◎ Certificate validation

- ◎ Pre-series review
- ◎ Material approval
- ◎ Golden sample approval
- ◎ Certificate, SOP

- ◎ Six sigma, TQM
- ◎ Customer service

Safety[✓]

1 Sealing-IP67



Foaming silicon

- 100% adapt to the sealing structure



Breathing valve

- 100% inspection for sealing during production



IP67

- IP67 Certified for water and dust proof

2 Top cell brand

SAMSUNG



NCM 21700

BAK



LFP 32140 / 32700 / 4680 / 46120

3 Management of Thermal Rise



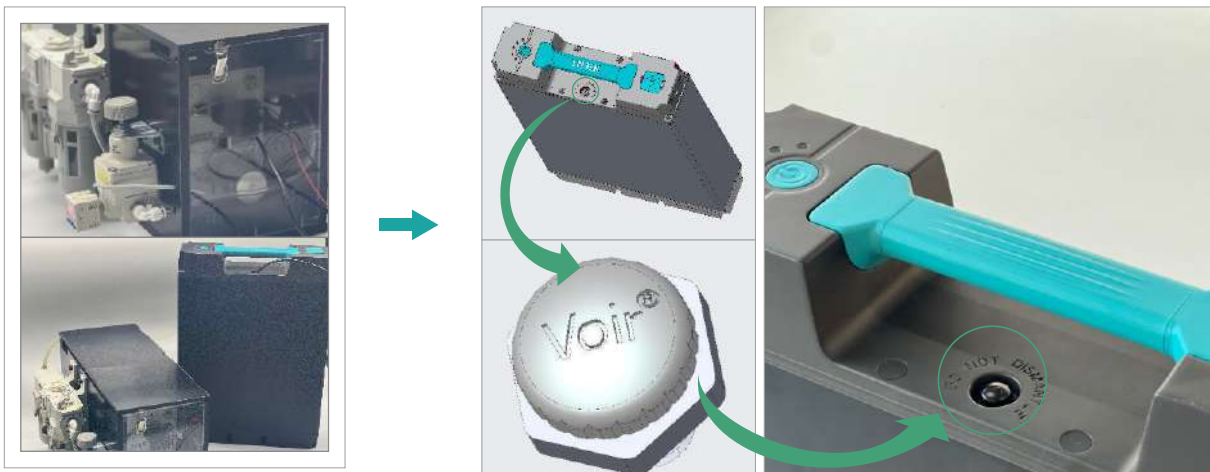
Severe ambiental test @ 35°C



Severe ambiental test @ 45°C

IP67

In-house airtightness test



100% inspection for sealing during production

The third party IP67 test

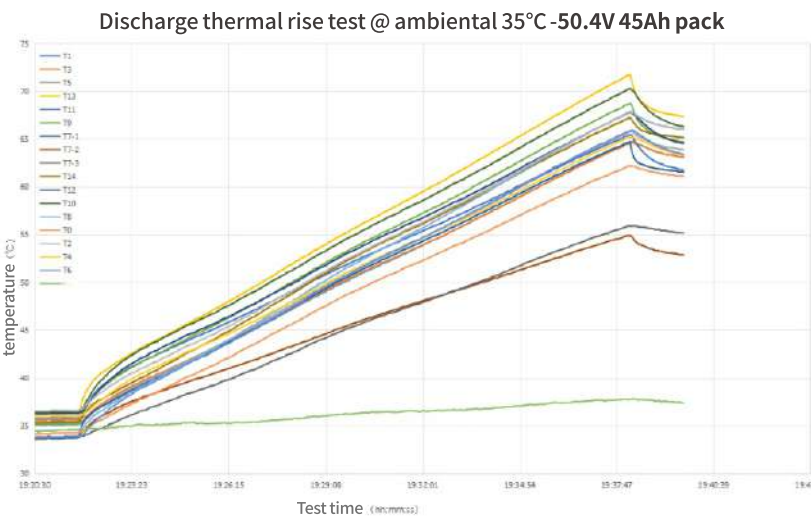


Dustproof testing

Waterproof testing

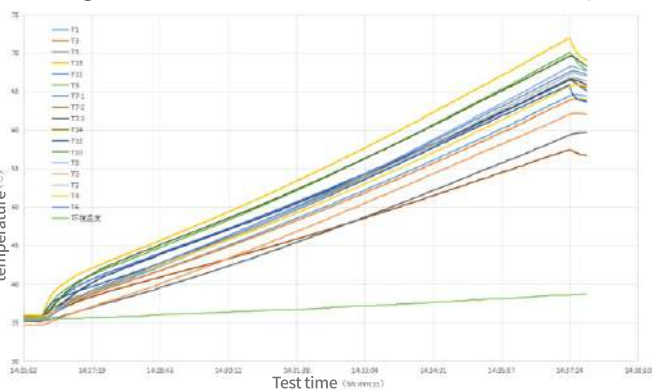


Cell and Pack thermal rise test



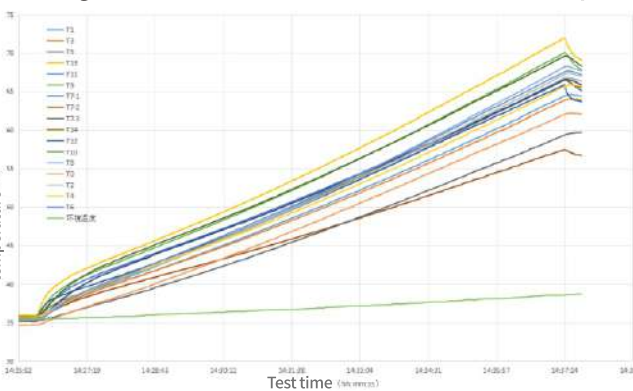
@ 100% SOC, 160A, 35°C

Discharge thermal rise test @ ambiental 35°C - 50.4V 45Ah pack



@ 50% SOC, 117A, 35°C

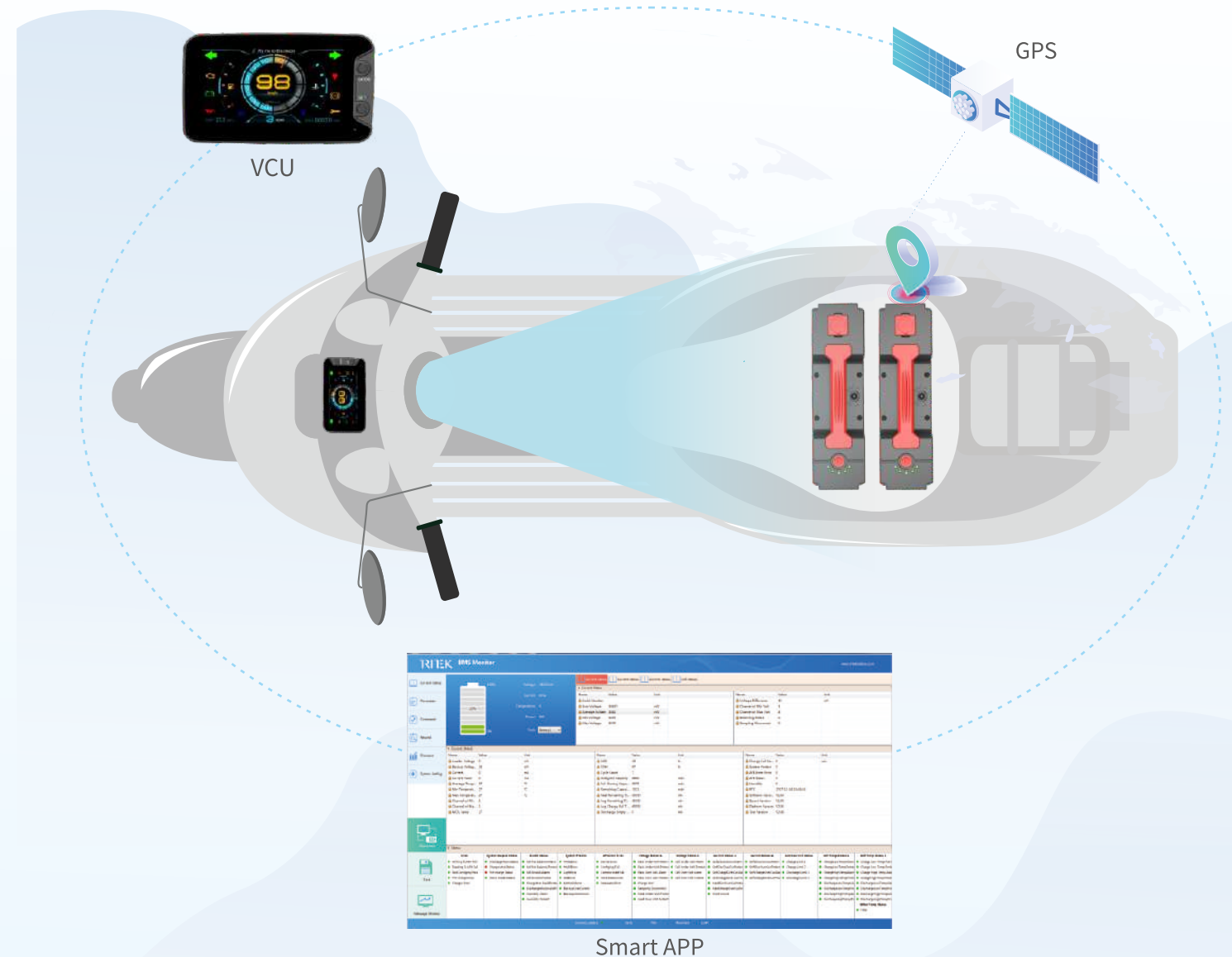
Discharge thermal rise test @ ambiental 35°C - 50.4V 45Ah pack



@ 20% SOC, 50A, 35°C

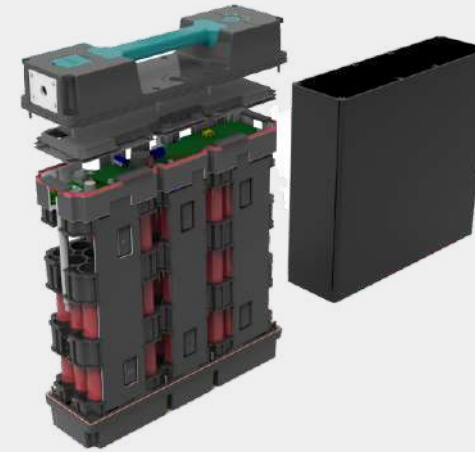
Special Feature

-  **Maintenance free:**
3 years free of charge
-  **Smart:** GPS, smart BMS and app
-  **Support 2 - 7pcs in parallel**
-  **Compatible with most VCU in the industry**

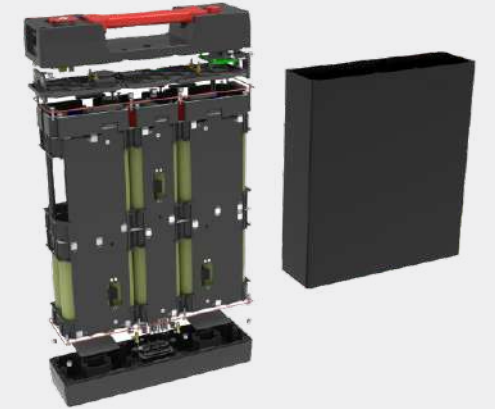


Multi battery

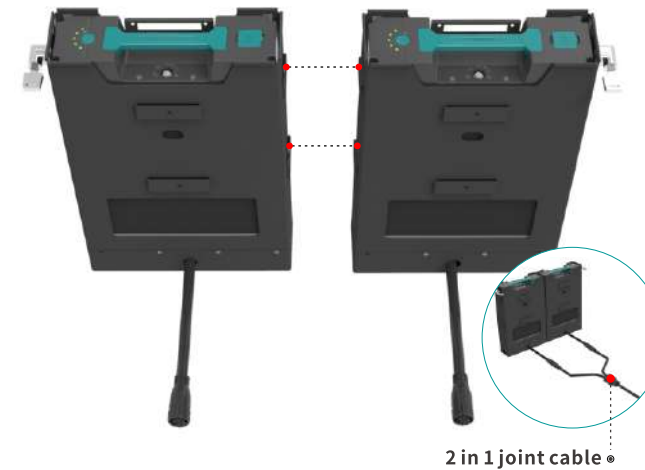
- Swappable
- Modular design



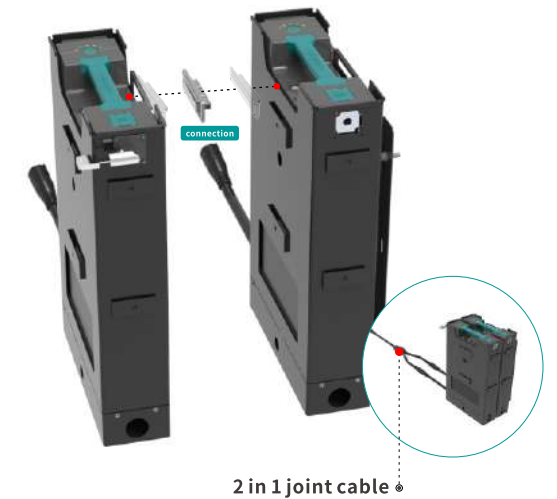
NCM-CELL



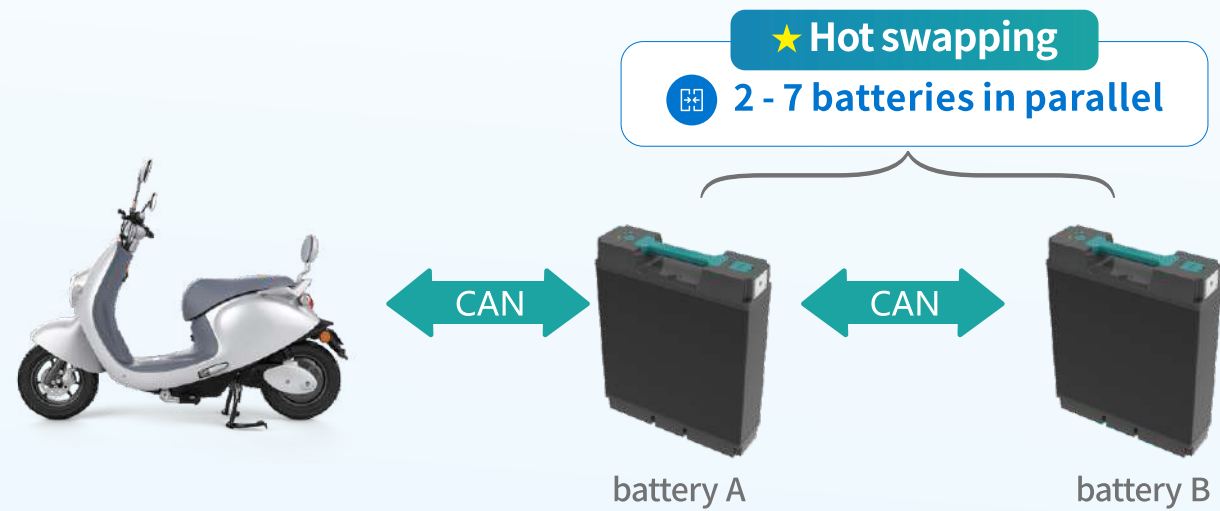
LFP-CELL



Horizontal Parallel Installation



Vertical Parallel Installation



Tritek E-motorcycle Battery Range



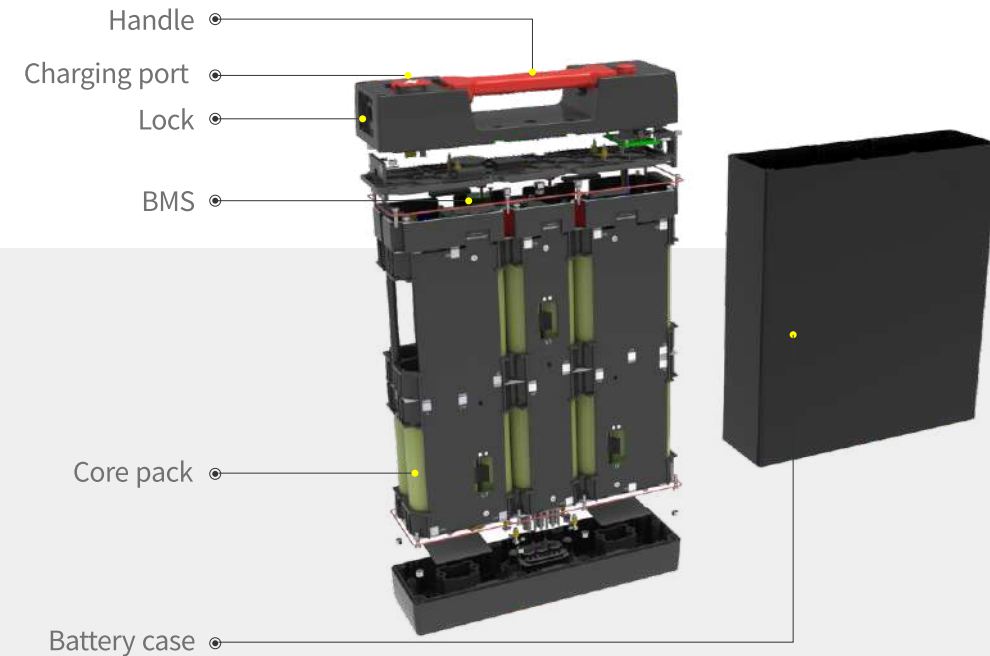
lev power solution

Project	TP6068	TP6094	TP6097	TP6099	TP6110
Photo					
Cell Type	LFP	NCM	NCM	NCM	LFP
Motor power range	1000-2000W	1000-2000W	3000-5000W	3000-4000W	3000-5000W
Vehicle speed	45-65km/h	45-65km/h	80~120km/h	80-100km/h	100~120km/h
Battery power	48V, 30Ah, 1440Wh	50.4V, 30Ah, 1512Wh	50.4V, 45Ah, 2268Wh	72V, 25Ah, 1800Wh	73.6V,45Ah,3312Wh
Battery size	415.7*297*87mm	358*297*87mm	346*245*86mm	330*170*125mm	366*260*177mm
Battery weight	13.88kg	8.84kg	12kg	10kg	26kg
Cell model and configuration	32140-15Ah, 15S2P	INR21700-50GB,14S6P	INR21700-50GB,14S9P	INR21700-50GB,20S5P	32140FS-15Ah,23S3P
Standard discharge current	30A	30A	70A	25A	45A
Max continuous discharge current	60A	60A	90A	50A	90A
Continuous energy recovery current	28A	28A	18A	30A	45A
Max energy recovery current	65V/45A/10S	65V/45A/5S	65V45A /10S	100V/32A/10S	84V/67A/10S
DC auxiliary output	12V, 2A/10A	12V, 2A/10A	12V, 2A	12V, 10A	12V, 2A
GPS module	/	/	/	yes	/
Cycle life	≥80%, @2000cycles	≥80%, @500 cycles	≥80%, @500cycles	≥80%, @500 cycles	≥80%, @2000cycles
Certification	UN38.3, CE, FCC, IEC62133, EN15194, EN50604, UL2271, ROHS, REACH	UN38.3, CE, FCC, IEC62133, EN15194, EN50604, UL2271, ROHS, REACH	UN38.3, CE, ROHS, REACH, ECE R10	UN38.3, CE, ROHS, REACH, ECE R10	UN38.3, CE, ROHS, REACH, ECE R10
Hot swapping	2-7 PCS		2 PCS	2-4 PCS	/

e Motorcycle battery-48V TP6068

Powerful | Intelligent | Safe

- smart BMS:
CAN, RS485, communicate with controller, HMI, GPS, etc.
- support hot swap connection with 2 -7 batteries in parallel
- safety:
compliant with EN15194:2017
water and dust proof - IP67



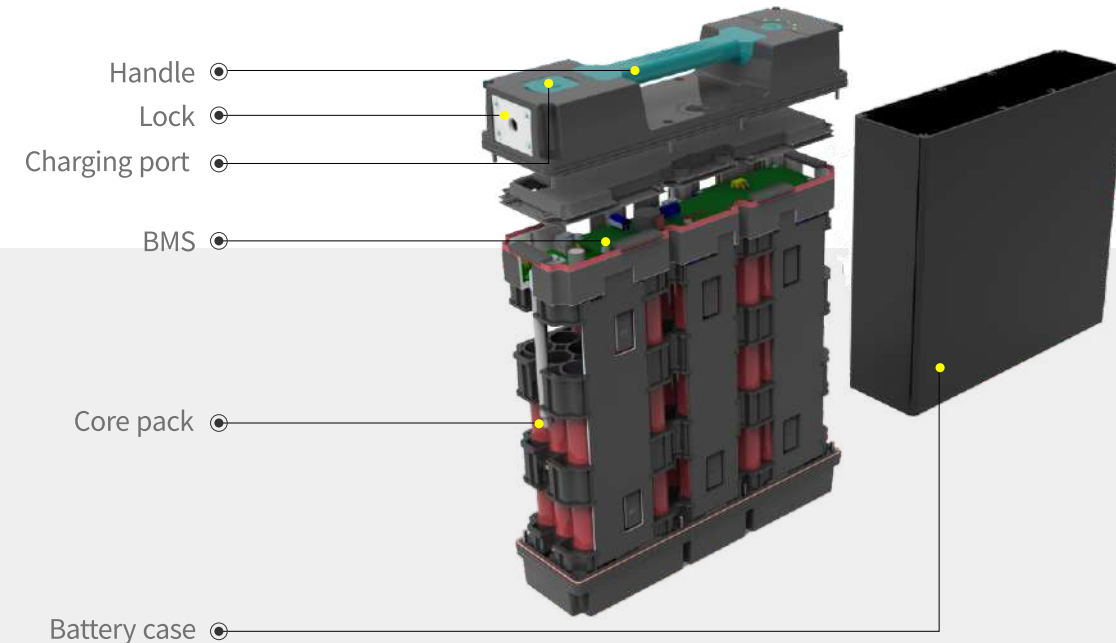
- Power :48V 30Ah, 1440Wh
- Cell model and configuration :LFP CBAK 32140FS 15S2P
- Standard charge current :10A
- Peak charge current :45A/10S
- Standard discharge current :30A
- Max continuous discharge current :60A
- Size :415.7mm * 297mm * 87 mm



e Motorcycle battery-50V TP6094

Powerful | Intelligent | Safe

- smart BMS:
CAN, RS485, communicate with controller, HMI, GPS, etc.
- support hot swap connection with 2 -7 batteries in parallel
- safety:
compliant with EN15194:2017
water and dust proof - IP67



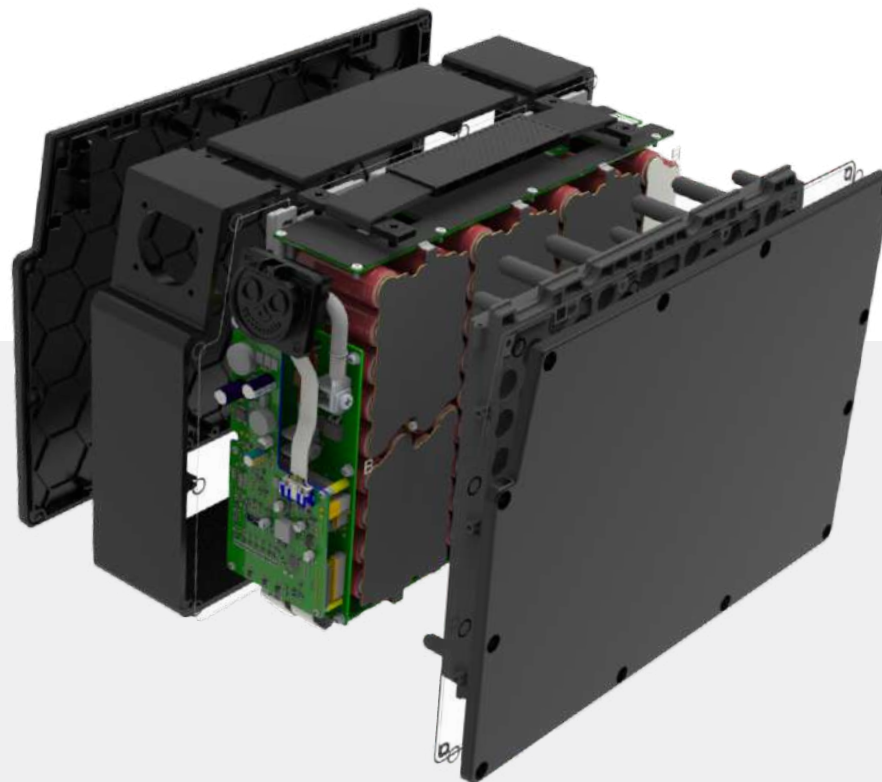
- Power :50.4V 30Ah, 1512Wh
- Cell model and configuration :NCM Samsung 21700-50GB 14S6P
- Standard charge current :10A
- Peak charge current :20A/10S
- Standard discharge current :30A
- Max continuous discharge current :60A
- Size :358mm * 297mm * 87 mm



e Motorcycle battery-50V TP6097

High-speed | Intelligent | Safe

- smart BMS:
CAN, RS485, communicate with controller, HMI, GPS, etc.
- safety:
compliant with EN15194:2017
water and dust proof - IP67

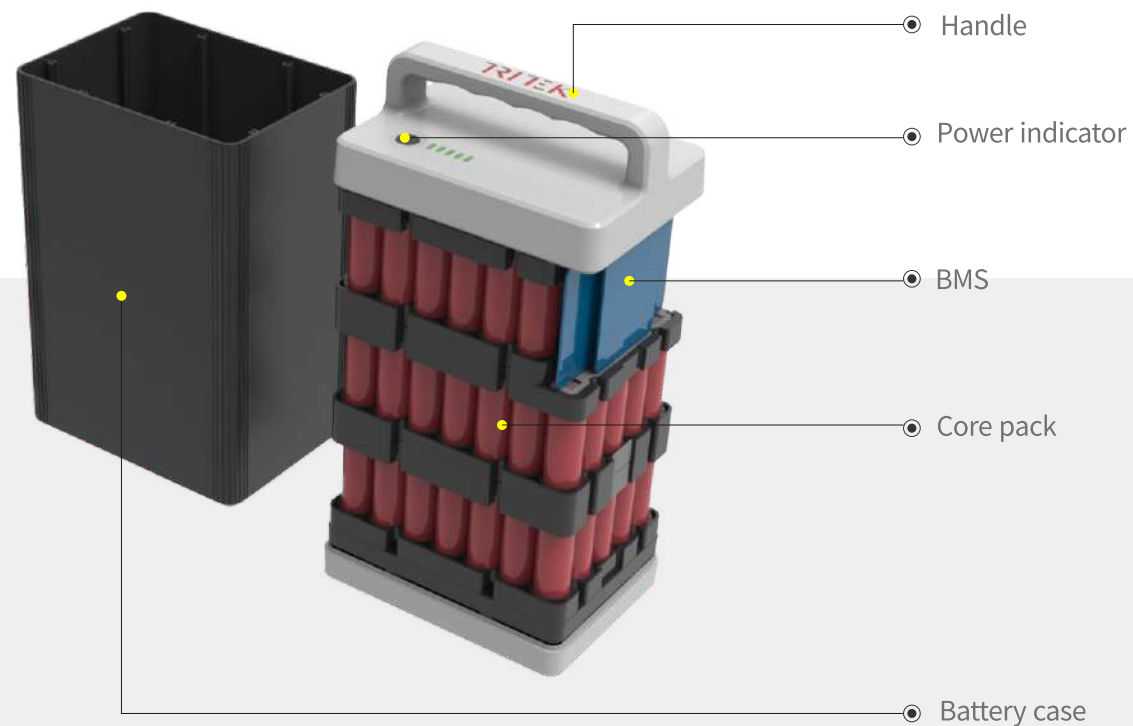


- Power :50.4V 45Ah, 2268Wh
- Cell model and configuration :Samsung INR21700-50G 14S9P
- Standard charge current :10A
- Peak charge current :19~45A for 10S
- Standard discharge current :70A
- Max continuous discharge current :45A
- Size :346mm*245mm*86mm

e Motorcycle battery-72V TP6099

High-speed | Intelligent | Safe

- smart BMS:
CAN, RS485, communicate with controller, HMI, GPS, etc.
- safety:
compliant with EN15194:2017
water and dust proof - IP67



- Power :72V 25Ah, 1800Wh
- Cell model and configuration :SAMSUNG SDI 21700-50GB 20S5P
- Standard charge current :9.5A
- Peak charge current :12.5A
- Standard discharge current :25A
- Max continuous discharge current :50A
- Size :330mm*170mm*125mm Handle:33mm



Battery Charger

180-500W

Smart

- Automatic switch by CAN output voltage and current
- Overtemperature protection



> Li-ion battery charger TC1012

- Input voltage: 100-240Vac
- Output voltage : $36-58.8 \pm 0.2V$
(Voltage can adapt to 10-14S)
- Rated output power :163.8W
- Fit for battery of: 13S l-ion battery
- Dimension:159.4x81.1x33.9mm
- IP grade: IP54



> Li-ion battery charger TC1015

- Input voltage: 100-240Vac
- Output voltage: 42-58.8V
(Voltage can adapt to 10-14S)
- Rated output power :176.4W
- Fit for battery of: 14S li-ion battery
- Dimension:192x85.7x43mm
- IP grade: IP54



> Li-ion battery charger TC1018

- Input voltage: 100-240Vac
- Outout voltage : $48-58.8 \pm 0.2V$
(Voltage can adapt to 13-15S)
- Rated output power : 547.5W
- Fit for battery of: 15S LP battery, 13S NMC battery
- Dimension:220x120x49mm
- IP grade: IP54





EN 15194:2017 EN 50604 UL2271

Tritek has a strong and professional team to turn the customers' idea into reliable products.

We make intelligent batteries, not only through software technology, but also in strict accordance with global certification standards for lev batteries, such as; EN15194:2017, EN50604, UN38.3, CE, FCC, CB, UL, etc.

In the meantime, we have implemented IATF16949 in quality control, to cooperate with companies in the automotive industry.

