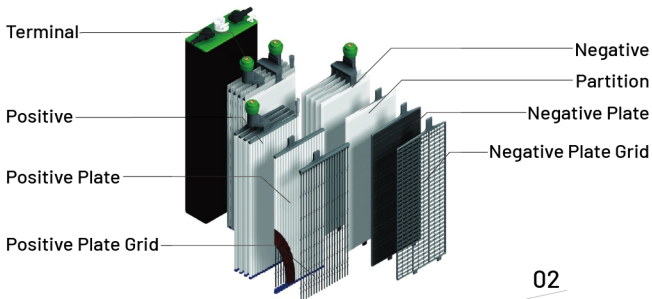


Features:

ZAPY battery is designed and produced according to the highest standard in the industry. In 2016, it was officially launched to the market. The cumulative sales volume exceeded 600 million RBM, and it served more than 5,000 forklift repairers. The products were well received by the majority of users. In order to serve customers better and faster, a sales and service network covering the whole country has been built, which has achieved same-day delivery and next-day delivery, greatly improving user experience.



01  
Battery Pack



02  
Internal Structure

| Voltage | Application | Specification | Size        |
|---------|-------------|---------------|-------------|
| 24V     | Liftstar    | 24V/210AH     | 790*210*576 |
|         | Liftstar    | 24V/210AH     | 605*275*470 |
|         | Liftstar    | 24V/240AH     | 790*210*576 |
|         | Liftstar    | 24V/270AH     | 790*210*576 |
|         | Liftstar    | 24V/270AH     | 608*275*610 |
|         | Liftstar    | 24V/280AH     | 648*248*548 |
|         | Liftstar    | 24V/280AH     | 650*248*645 |
|         | Hangcha     | 24V/165AH     | 645*196*560 |
|         | Hangcha     | 24V/210AH     | 750*176*574 |
|         | Hangcha     | 24V/210AH     | 650*249*625 |
|         | Hangcha     | 24V/240AH     | 750*176*574 |
|         | Hangcha     | 24V/240AH     | 650*249*625 |
|         | Hangcha     | 24V/280AH     | 650*249*625 |
|         | Hangcha     | 24V/340AH     | 650*249*625 |
|         | Hangcha     | 24V/350AH     | 650*297*625 |
|         | Noblelift   | 24V/210AH     | 645*195*520 |
|         | Noblelift   | 24V/210AH     | 790*210*458 |
|         | Noblelift   | 24V/210AH     | 765*265*365 |
|         | Noblelift   | 24V/210AH     | 621*206*625 |
|         | Noblelift   | 24V/240AH     | 790*210*510 |

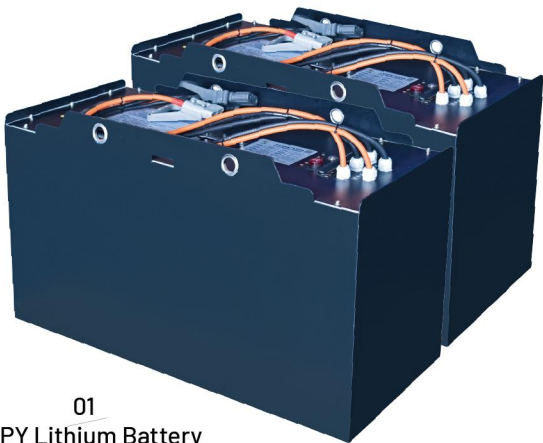
| Voltage | Application  | Specification | Size            |
|---------|--------------|---------------|-----------------|
| 24V     | Noblelift    | 24V/270AH     | 790*210*530     |
|         | Noblelift    | 24V/280AH     | 1010*210*470    |
|         | Linde        | 24V/200AH     | 761*171/103*687 |
|         | Linde        | 24V/200AH     | 660*145*640/690 |
|         | Linde        | 24V/210AH     | 561*231*550     |
|         | Linde        | 24V/230AH     | 621*206*625     |
|         | Linde        | 24V/270AH     | 621*281*537     |
|         | Linde        | 24V/345AH     | 621*281*627     |
|         | Linde        | 24V/345AH     | 786*210*630     |
|         | Xilin        | 24V/210AH     | 745*170*534     |
|         | Xilin        | 24V/240AH     | 654*254*440/478 |
|         | Xilin        | 24V/240AH     | 650*250*460/500 |
|         | EP           | 24V/210AH     | 810*208*630     |
|         | EP           | 24V/280AH     | 810*208*630     |
|         | Mima         | 24V/210AH     | 645*196*560     |
|         | Jungheinrich | 24V/160AH     | 645*146*560/590 |
|         | Toyota       | 24V/225AH     | 645*196*570     |
|         | Still        | 24V/230AH     | 621*206*625     |
|         | Nichiyu      | 24V/390AH     | 961*235*540     |

| Voltage | Application | Specification | Size         |
|---------|-------------|---------------|--------------|
| 48V     | Heli        | 48V/400AH     | 970*600*465  |
|         | Heli        | 48V/550AH     | 970*715*465  |
|         | Heli        | 48V/600AH     | 1030*500*792 |
|         | Hangcha     | 48V/420AH     | 980*465*780  |
|         | Hangcha     | 48V/420AH     | 1145*403*602 |
|         | Hangcha     | 48V/450AH     | 980*680*485  |
|         | Hangcha     | 48V/480AH     | 980*465*780  |
|         | Hangcha     | 48V/500AH     | 996*395*770  |
|         | Hangcha     | 48V/500AH     | 830*630*627  |
|         | Hangcha     | 48V/600AH     | 980*465*780  |
|         | Hangcha     | 48V/630AH     | 1064*845*495 |
|         | Hangcha     | 48V/630AH     | 1028*570*780 |
|         | Toyota      | 48V/210AH     | 958*260*545  |
|         | Toyota      | 48V/390AH     | 990*445*627  |
|         | Toyota      | 48V/400AH     | 815*740*479  |
|         | Toyota      | 48V/420AH     | 990*545*627  |
|         | Toyota      | 48V/420AH     | 990*450*627  |
|         | Toyota      | 48V/480AH     | 815*740*479  |
| 48V     | Toyota      | 48V/560AH     | 900*810*479  |
|         | Toyota      | 48V/560AH     | 990*545*627  |
|         | Linde       | 48V/560AH     | 832*523*782  |
|         | Linde       | 48V/560AH     | 1220*352*784 |
|         | Linde       | 48V/575AH     | 827*627*625  |
|         | Linde       | 48V/700AH     | 832*631*781  |
|         | Linde       | 48V/700AH     | 1218*424*782 |
|         | Nichiyu     | 48V/280AH     | 958*372*555  |
|         | Nichiyu     | 48V/325AH     | 958*372*555  |
|         | Nichiyu     | 48V/400AH     | 970*600*470  |
|         | Nichiyu     | 48V/450AH     | 970*665*470  |
|         | Nichiyu     | 48V/560AH     | 970*730*470  |
|         | Tcm         | 48V/400AH     | 980*600*495  |
|         | Tcm         | 48V/480AH     | 1030*780*495 |
|         | Tcm         | 48V/560AH     | 1030*780*495 |

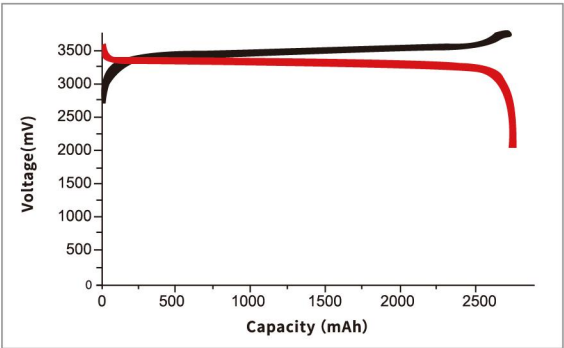
| Voltage | Application | Specification | Size            |
|---------|-------------|---------------|-----------------|
| 48V     | Noblelift   | 48V/400AH     | 970*650*440     |
|         | Noblelift   | 48V/450AH     | 977*660*435     |
|         | Noblelift   | 48V/600AH     | 975x466x780     |
|         | Noblelift   | 48V/600AH     | 980*538*760     |
|         | Longgong    | 48V/480AH     | 970*715*410     |
|         | Longgong    | 48V/600AH     | 1000*730*520    |
|         | Longgong    | 48V/600AH     | 1000*800*520    |
|         | Tailift     | 48V/500AH     | 965*430*760     |
|         | Tailift     | 48V/600AH     | 975*495*800     |
|         | Baoli       | 48V/400AH     | 973*637*510     |
|         | Baoli       | 48V/630AH     | 1030*500*790    |
|         | Xilin       | 48V/400AH     | 970*520*456     |
|         | Xilin       | 48V/450AH     | 970*650*456     |
|         | Jac         | 48V/600AH     | 1028*525*780    |
|         | Jac         | 48V/630AH     | 1055*810*480    |
|         | EP          | 48V/385AH     | 780*711*455     |
|         | EP          | 48V/450AH     | 974*711*455     |
|         | Hyster      | 48V/560AH     | 1028*570*780    |
| 72V     | Hyundai     | 48V/450AH     | 980*710*487     |
|         | Maximal     | 48V/600AH     | 1028*500*780    |
|         | Shinko      | 72V/300AH     | 980*465*780     |
|         | Xilin       | 80V/450AH     | 970*673*708/688 |
|         | Heli        | 80V/480AH     | 1028*711*784    |
|         | Hangcha     | 80V/480AH     | 1075*995*495    |
|         | Hangcha     | 80V/500AH     | 1028*710*780    |
|         | Longgong    | 80V/500AH     | 1025*724*780    |
|         | Liugong     | 80V/500AH     | 1138*680*840    |
|         | EP          | 80V/500AH     | 1072*650*793    |
|         | Maximal     | 80V/500AH     | 1028*674*780    |
|         | Tailift     | 80V/500AH     | 1124*610*800    |
|         | Hyundai     | 80V/520AH     | 1066*990*520    |
|         | Linde       | 80V/575AH     | 1025*845*625    |

Features:

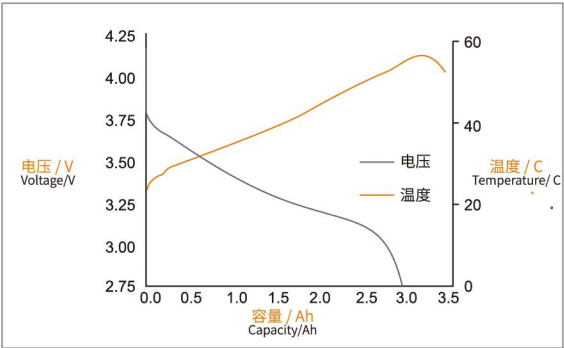
For all lead-acid electric forklifts in market, the company has launched a power supply replacement and upgrade plan, allowing customers to fully experience the intelligence, high efficiency, environmental protection, strong power, and maintenance-free happiness brought by new energy lithium power supplies, bringing you unexpected Economic benefits, and can provide you with a big data management platform



01  
ZAPY Lithium Battery



02  
Discharge Curve



03  
Discharge Temperature Rise Curve

| Voltage | Application | Specification | Size            |
|---------|-------------|---------------|-----------------|
| 25.6V   | Heli        | 25.6V/173AH   | 645*190*520     |
|         | Heli        | 25.6V/202AH   | 790*210*576     |
|         | Heli        | 25.6V/202AH   | 645*245*545     |
|         | Heli        | 25.6V/202AH   | 645*190*520     |
|         | Hangcha     | 25.6V/165AH   | 740*170*520     |
|         | Hangcha     | 25.6V/202AH   | 740*170*520     |
|         | EP          | 25.6V/202AH   | 810*208*630     |
|         | EP          | 25.6V/272AH   | 810*208*630     |
|         | Linde       | 25.6V/160AH   | 650*145*680     |
|         | Linde       | 25.6V/173AH   | 621*206*625     |
|         | Nichiyu     | 25.6V/302AH   | 961*235*540     |
|         | Hyster      | 25.6V/202AH   | 740*170*540/570 |
|         | Noblelift   | 25.6V/165AH   | 790*200*460     |
|         | Xilin       | 25.6V/272AH   | 648*245*625     |

| Voltage | Application  | Specification | Size          |
|---------|--------------|---------------|---------------|
| 51.2V   | Hangcha      | 51.2V/495AH   | 1064*845*395  |
|         | Linde        | 51.2V/544AH   | 1218*424*782  |
|         | Nichiyu      | 51.2V/202AH   | 956*372*555   |
|         | Hyster       | 51.2V/404AH   | 1028*570*780  |
|         | Hyster       | 51.2V/495AH   | 1028*570*780  |
|         | Hyster       | 51.2V/560AH   | 977*1005*585  |
|         | Noblelift    | 51.2V/160AH   | 756*361*615   |
|         | Doosan       | 51.2V/606AH   | 1025*1035*525 |
|         | Toyota       | 51.2V/460AH   | 990*450*627   |
|         | Jac          | 51.2V/280AH   | 965*395*735   |
|         | Tailift      | 51.2V/544AH   | 975*495*800   |
|         | Jungheinrich | 51.2V/519AH   | 830*735*627   |
| 83.2V   | Toyota       | 83.2V/346AH   | 948*815*589   |
|         | Linde        | 83.2V/404AH   | 1025*845*625  |

| Voltage | Application | Specification | Size            |
|---------|-------------|---------------|-----------------|
| 6V      | Universal   | 6V/200AH      | 260*180*272     |
| 12V     | Universal   | 12V/30AH      | 166*126*175     |
|         | Universal   | 12V/65AH      | 224*135.5*177   |
|         | Universal   | 12V/65AH      | 220*135*175     |
|         | Universal   | 12V/70AH      | 259*170*160     |
|         | Universal   | 12V/80AH      | 259*170*210     |
|         | Universal   | 12V/85AH      | 259*168*208/214 |
|         | Universal   | 12V/85AH      | 259*170*210     |
|         | Universal   | 12V/100AH     | 330*173*218     |
|         | Universal   | 12V/120AH     | 330*173*218     |
|         | Universal   | 12V/120AH     | 407*170.5*240   |

Pallet Truck EV Battery



Pallet Truck Lithium Battery



Pallet Truck Lithium Battery



| Voltage | Application  | Specification | Size         |
|---------|--------------|---------------|--------------|
| 24V     | Heli/Jialift | 24V/20AH      | 370*100*355  |
|         | Heli/Jialift | 24V/30AH      | 370*100*355  |
|         | Heli/Jialift | 24V/35AH      | 190*80*290   |
|         | Heli/Jialift | 24V/40AH      | 370*100*355  |
|         | EP           | 24V/40AH      | 260*170*220  |
|         | EP           | 24V/55AH      | 260*170*220  |
|         | Hangcha      | 24V/25AH      | 175*86*210   |
|         | Noblelift    | 24V/20AH      | 247*75*375   |
|         | Xilin        | 24V/20AH      | 185*84.5*250 |
|         | Linde        | 24V/20AH      | 260*205*85   |
| 25.2V   | Hangcha      | 25.2V/40AH    | 170*170*550  |

| Voltage | Application   | Specification | Size        |
|---------|---------------|---------------|-------------|
| 46.8V   | Hangcha       | 46.8V/20AH    | 170*170*550 |
| 48V     | Hangcha       | 48V/10AH      | 175*85*210  |
|         | Hangcha       | 48V/15AH      | 175*85*210  |
|         | Heli/Jialift  | 48V/16AH      | 210*80*290  |
|         | Heli/Jialift  | 48V/20AH      | 370*100*355 |
|         | Noblelift     | 48V/20AH      | 280*75*378  |
|         | EP            | 48V/20AH      | 273*105*420 |
| 72V     | Heli/Liftstar | 72V/16AH      | 235*155*360 |
|         | Heli/Liftstar | 72V/8AH       | 205*85*300  |

Features:

Charging uses closed-loop control, automatically checks and dynamically tracks the battery during charging, so that the battery is in the most accurate charging state, which basically eliminates overcharging and extends the service life of the battery, Small size, easy to use, easy to maintain, intuitive and clear, charging time is about 8-12 hours

Technical Parameters:

- 1. Input voltage: 3phase 380V±5%, 50hz, with ground wire, input current 6-30A, output voltage 48v/72v/80v
- 2. Input voltage: 220V±5%, 50hz, with ground wire, input current: 6-30A, output voltage: 24v/48v



01  
Power Frequency Charger

| Voltage | Input Vlotage | Max Input Current | Battery Capacity | Voltage | Input Vlotage | Max Input Current | Battery Capacity |
|---------|---------------|-------------------|------------------|---------|---------------|-------------------|------------------|
| 24V     | 220V          | 30A               | 210-250AH        | 48V     | 380V          | 65A               | 440-480AH        |
|         | 220V          | 60A               | 400-440AH        |         | 380V          | 70A               | 480-550AH        |
|         | 220V          | 70A               | 480-550AH        |         | 380V          | 80A               | 550-630AH        |
|         | 220V          | 80A               | 550-630AH        |         | 380V          | 100A              | 630-700AH        |
|         | 380V          | 50A               | 350-390AH        |         | 380V          | 120A              | 700-800AH        |
|         | 380V          | 80A               | 350-390AH        |         | 380V          | 140A              | 980AH            |
|         | 380V          | 100A              | 630-700AH        | 72V     | 380V          | 30A               | 210-250AH        |
|         | 380V          | 120A              | 700-800AH        |         | 380V          | 40A               | 280-350AH        |
| 36V     | 380V          | 70A               | 480-550AH        |         | 380V          | 50A               | 350-390AH        |
|         | 380V          | 80A               | 550-630AH        |         | 380V          | 60A               | 400-440AH        |
|         | 380V          | 90A               | 630AH            |         | 380V          | 70A               | 480-550AH        |
|         | 380V          | 100A              | 630-700AH        |         | 380V          | 80A               | 550-630AH        |
|         | 380V          | 130A              | 910AH            |         | 380V          | 100A              | 630-700AH        |
|         | 380V          | 130A              | 910AH            | 80V     | 380V          | 40A               | 280-350AH        |
| 48V     | 220V          | 35A               | 280-350AH        |         | 380V          | 50A               | 350-390AH        |
|         | 220V          | 60A               | 400-440AH        |         | 380V          | 60A               | 400-440AH        |
|         | 220V          | 65A               | 440-480AH        |         | 380V          | 70A               | 480-550AH        |
|         | 220V          | 70A               | 480-550AH        |         | 380V          | 80A               | 550-630AH        |
|         | 220V          | 80A               | 550-630AH        |         | 380V          | 100A              | 630-700AH        |
|         | 380V          | 30A               | 210-250AH        |         | 380V          | 120A              | 840-900AH        |
|         | 380V          | 40A               | 280-350AH        |         | 380V          | 130A              | 910AH            |
|         | 380V          | 50A               | 350-390AH        |         |               |                   |                  |
|         | 380V          | 60A               | 400-440AH        |         |               |                   |                  |
|         | 380V          | 60A               | 400-440AH        |         |               |                   |                  |

| Voltage | Max Input Current | Battery Capacity | Voltage | Max Input Current | Battery Capacity |
|---------|-------------------|------------------|---------|-------------------|------------------|
| 24V     | 25A               | 175-210AH        | 48V     | 20A               | 140-210AH        |
|         | 30A               | 210-250AH        |         | 25A               | 175-210AH        |
|         | 40A               | 280-350AH        |         | 30A               | 210-250AH        |
|         | 50A               | 350-390AH        |         | 35A               | 245-280AH        |
|         | 60A               | 400-440AH        |         | 40A               | 280-350AH        |
| 36V     | 20A               | 140-210AH        | 72V     | 20A               | 140-210AH        |
|         | 25A               | 175-210AH        |         | 25A               | 175-210AH        |
|         | 30A               | 210-250AH        |         | 30A               | 210-250AH        |
|         | 35A               | 280-350AH        |         |                   |                  |



01  
Lead-acid Battery



02  
Maintenance-free Battery

Remark: Before purchasing, please confirm whether the battery type is lead-acid battery or maintenance-free battery

| Voltage | Max Input Current | LT#          |
|---------|-------------------|--------------|
| 12V     | 10A               | A.M.06.1210J |
|         | 15A               | A.M.06.1215J |
|         | 20A               | A.M.06.1220J |
| 24V     | 10A               | A.M.06.2410J |
|         | 15A               | A.M.06.2415J |
|         | 20A               | A.M.06.2420J |



01  
Lead-acid Battery



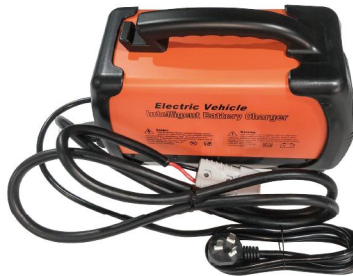
02  
Maintenance-free Battery

Remark: Before purchasing, please confirm whether the battery type is lead-acid battery or maintenance-free battery

| Voltage | Max Input Current | Specification   |
|---------|-------------------|-----------------|
| 24V     | 30A               | HXBX-LY2430JBZ1 |
| 36V     | 30A               | HXBX-LY3630JBZ1 |
| 48V     | 25A               | HXBX-LY4825JBZ1 |
|         | 30A               | HXBX-LY4830JBZ1 |
| 72V     | 25A               | HXBX-LY7225JBZ1 |
|         | 30A               | HXBX-LY7230JBZ1 |



01  
Lead-acid Battery



02  
Maintenance-free Battery

Remark: Before purchasing, please confirm whether the battery type is lead-acid battery or maintenance-free battery

Lithium Battery Charger  
72V/4A

LT#:B.M.01.0104A1

Used for Liftstar

Lithium Battery Charger  
72V/8A

LT#:B.M.01.0106A1

Used for Liftstar

Battery Charger  
24V/50A

LT#:B.M.01.0110A1

Used for Liftstar

Lithium Battery Charger  
24V/20A

LT#:B.M.01.0205A2

Used for Hangcha

Lithium Battery Charger  
48V/10A

LT#:B.M.01.0207G1

Used for Hangcha

Battery Charger  
48V/3A

LT#:B.M.01.0208A1

Used for Hangcha

Lithium Battery Charger  
24V/8A

LT#:B.M.01.0306A1

Used for Noblift

Lithium Battery Charger  
54.6V/9A

LT#:B.M.01.0307A1

Used for Noblift

Lithium Battery Charger  
54.6V/9A

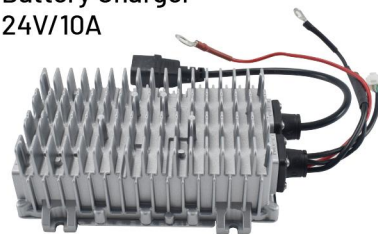
LT#:B.M.01.0307A2

Used for Noblift

Battery Charger  
24V/8A

LT#:B.M.01.0311A1

Used for Noblift

Battery Charger  
24V/10A

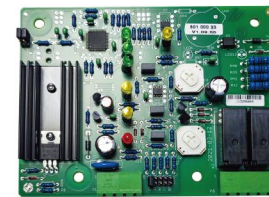
LT#:B.M.01.0416A1

Used for EP

External Battery Charger  
24V/30A

LT#:B.M.01.0805A1

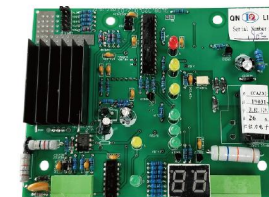
Used for Jialift

Charger PCB  
200\*160\*30

LT#:A.M.50.0103

J23B2-40151

Used for Heli

Charger PCB  
24V/48V/80V

LT#:A.M.50.0106

Used for Heli

Charger Silicon Control  
110A/1600V

LT#:A.M.50.0115

MFC

Universal

Charger PCB



LT#:A.M.50.0126

CF20080 19062427

Used for Byd

Charger Silicon Control



LT#:A.M.50.0140

PD110FG160

Universal

Battery Charger Circuit Board  
24V/50A

LT#:B.M.10.0101

Used for Liftstar

Battery Charger Rectifier Moduler  
24V/50A

LT#:B.M.10.0102

MZK100-04

Universal

Battery Charger Spring Cable  
24V/10A

LT#:B.M.10.0401

International Plug

Universal

Battery Charger Spring Cable  
24V/10A

LT#:B.M.10.0402

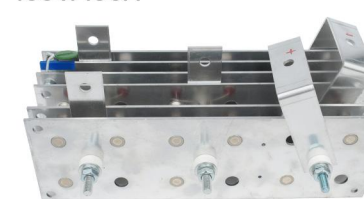
British Standard Plug

Universal

Rectifier bridge  
400V/65A

LT#:D.K.50.01151

Universal

Rectifier bridge  
400V/100A

LT#:D.K.50.01152

Universal



LT#:D.K.50.40226

CJX2-2510/380V