Golf cart lithium battery, 17 years of professional custom R & D experience

New energy comprehensive appliocation solution provider since 2007 OEM/ODM factory

TYCORUN Provides One-Stop New Energy Solutions

TYCORUN has been focusing on new energy lithium industry for more than 17 years, TYCORUN new energy products and solutions have covered all areas of people's life and work, including batteries for low-speed vehicles, such as golf carts, sightseeing trolleys, as well as power and energy storage systems for residential, industrial and commercial applications, vehicles and marine applications.
Tycorun uses highly efficient integrated cell, BMS, power electronics and PACK technologies to create products with performance that far exceeds industry standards.

Global sales and service network
Timely delivery
Impeccable after-sales service
Rapid response and technical support

Tycorun has fully launched the overseas market layout, to achieve the localisation of R & D, manufacturing, marketing and service, to become your reliable partner.

Our one-stop solution covers every life scenario：

1. Low-speed vehicle battery
2.On-board energy storage systems and batteries
3.Home energy storage system
4.Small power battery
5.Marine power battery
6.Industrial and commercial energy storage system

The ideal power solution

Long-lasting battery power is the key to ensuring your driving is seamless

Tycorun provides reliable power solutions to meet your power needs in a variety of scenarios.

100% power, 100% experience

Golf cart

Sightseeing trolley

AGV Logistics Vehicle

Low-speed four-wheeler

Advantages of lithium iron phosphate batteries for Tycorun golf carts/low speed vehicles/AGV vehicles:

High efficiency power：

Highly stable performance, no need to worry about performance degradation

15 hours fast charging, no memory effect, charging at any time

Lighter weight. Easier to manoeuvre, faster starting speed

Safe

Completely sealed design, IP65 protection level, waterproof and dustproof

Stronger thermal and chemical stability, reducing the risk of thermal runaway

Intelligent battery management system for battery equalisation, advanced battery management and multiple protections

0 maintenance

No gas or acid leakage, no need for additional battery space, cost saving

No need for frequent and time-consuming battery swap

Lower total cost of ownership due to labour and maintenance savings

Long-lasting durability

6 years design life and over 3000 cycles

Batteries are manufactured to automotive grade production standards

Low self-discharge rate

More advantages:

Environmentally friendly (non-toxic and non-polluting, friendly to people and the planet)

High compatibility
(36v, 48v and 72v batteries available for different golf carts)

Three-year warranty
(Extended warranty for added peace of mind)

TYCORUN Lithium Iron Phosphate batteries have a number of advantages that make them an ideal replacement for traditional lead-acid batteries. While converting from lead-acid batteries to lithium-ion batteries may require a higher initial investment, the long-term savings in energy, equipment usage, labour maintenance and downtime can lower your total cost of ownership!

	Lithium Iron Phosphate batteries	Lead Acid Batteries
Design life	About 6 years	3 years
Number of cycles	>3000 times	<500 times
Maintenance	0 maintenance	Regular maintenance required
Charge time/frequency	Approx. 1.5 hours of charging at any time	Charge after about 8-10 hours of use
Safety	Built-in multiple protection	Acid leakage
Environmental Impact	Eco-friendly	Contains toxic lead acid

Tycorun Golf Series Batteries upgrade your golf game, providing longer life and longer mileage with virtually zero maintenance.

1. **0 maintenance, up to 16.9kwh rating**
2. **Up to 6 years battery life, over 3000 cycles**
3. **Wide voltage range 48v-76v, up to 230AMP**

TYCORUN's power output: Higher acceleration
Faster starting speed
Safer

High discharge current
(Tycorun batteries excel even in challenging environments, such as climbing or accelerating with heavy loads)

Auto shut-off function
(If the battery is left idle for more than 8 hours, it will automatically activate the power saving mode, effectively reducing energy waste)

Switch control
(The light-on position can be selected at any position according to your preference for a high degree of convenience)

Product Series Catalog

Model	Specifications	Dimensions (±2mm)	Nominal voltage	Nominal capacity	Maximum charging current	Maximum continuous discharge current	Peak discharge current (≤3S)
TC-A976	25.6V165Ah	497.8*247*235.5mm	25.6V	165Ah	50A	120A	150A
TC-A892	25.6V230Ah	579*290*235mm	25.6V	230Ah	115A	170A	400A
TC-A955	35.2V67Ah	530*175*225mm	35.2V	67Ah	25A	80A	160A
LP36-105	36V105Ah	522*238.8*220mm	36V	105Ah	100A	200A	600A
TC-A958	48V55Ah	430*240*135mm	48V	55Ah	55A	110A	200A
TC-A987	48V100Ah	870*200*200mm	48V	100Ah	50A	100A	110A
TC-A929	48V100Ah	860*190*170mm	48V	100Ah	50A	50A	100A
TC-A644	48V105Ah	488*301*265mm	48V	105Ah	30A	200A	300A
LP48-105	48V105Ah	522*269.2*220mm	48V	105Ah	100A	200A	600A
TC-A998	48V110Ah	565*230*200mm	48V	110Ah	70A	100A	190A
TC-A957	51.2V105Ah	521*269*220mm	51.2V	105Ah	100A	200A	300A
TC-A895	60.8V55Ah	390*230*245mm	60.8V	55Ah	40A	40A	80A
TC-A844	72V150Ah	690*370*270mm	72V	150Ah	75A	150A	225A
TC-A940	73.6V105Ah	620*300*236mm	73.6V	105Ah	105A	105A	200A
TC-A1019	73.6V230Ah	800*430*278mm	73.6V	230Ah	48A	200A	220A
TC-A1003	76.8V230Ah	647*490*290mm	76.8V	230Ah	65A	200A	250A
LP76-65	76V65Ah	522*269.2*220mm	76V	65Ah	65A	150A	500A

TYCORUN Battery Specifications

TC-A955

Nominal voltage(v) : 35.2v

Nominal Capacity(Ah): 67Ah

Rated Energy(wh): 2358.4wh (2.3584Kwh)

Maximum Charging Voltage(v):40.15v

Maximum Charging Current(A) : 25A

Maximum Continuous Discharge Current(A) : 80A

Maximum Peak Discharge Current @10sec(A) : 160A

Maximum Load Power(w): 2800w

Discharge Cut-off Voltage(v): 22v

Cell Type: IFP42100140A-67Ah

Battery Brand: Guoxuan Battery 11S1P

Cycle time: 1500(80%)

Overall Dimension(mm) : 350*175*225mm

Protection Grade: IP65

Reference weight(kg) : about 30kg

Application areas: golf carts and low-speed vehicles, logistics vehicles

TYCORUN Battery Specifications

TC-A957

Nominal voltage(v) : 51.2v

Nominal Capacity(Ah): 105Ah

Rated Energy(wh): 5376wh (5.376Kwh)

Maximum Charging Voltage(v):58.4v

Maximum Charging Current(A) : 100A

Maximum Continuous Discharge Current(A) : 200A

Maximum Peak Discharge Current @10sec(A) : 300A

Maximum Load Power(w): 10240w

Discharge Cut-off Voltage(v): 43.2v

Cell Type: LF105/36130200/105Ah

Battery Brand: EVA Battery 16S1P

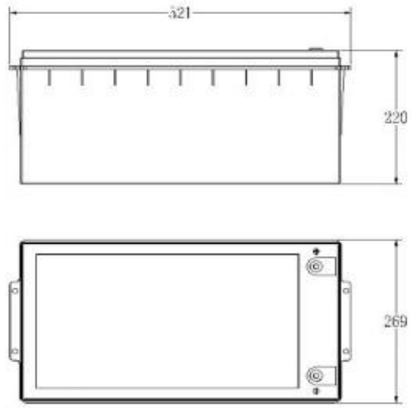
Cycle time: 1500(80%)

Overall Dimension(mm) : 521*269*220mm

Protection Grade: IP65

Reference weight(kg) : Approx. 38kg

Application: Golf Cart



TYCORUN Battery Specifications

TC-A895

Nominal voltage(v) : 60.8v

Nominal Capacity(Ah): 55Ah

Rated Energy(wh): 3344wh (3.344Kwh)

Maximum Charging Voltage(v):69.35v

Maximum Charging Current(A) : 40A

Maximum Continuous Discharge Current(A) : 40A

Maximum Peak Discharge Current @10sec(A) : 40A

Maximum Load Power(w): 2400w

Discharge Cut-off Voltage(v): 47.5v

Cell Type: IFP23140160-55Ah

Brand: Anchor 19S1P

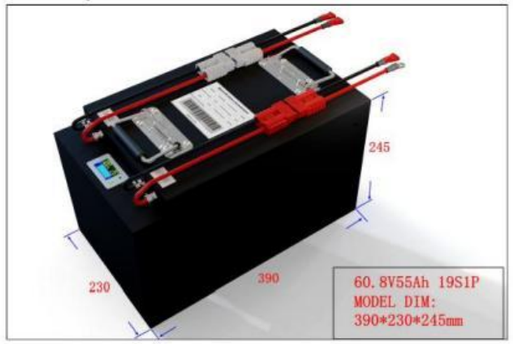
Cycle time: 1500(80%)

Protection Grade: IP65

Overall Dimension(mm) : 390*230*245mm

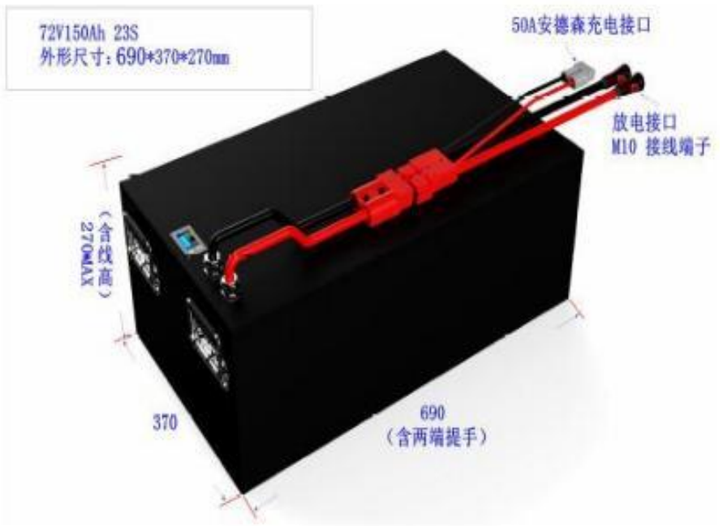
Reference weight(kg) : Approx. 28.5kg

Application areas: golf carts and low-speed vehicles, logistics vehicles



TC-A844

Nominal voltage(v) : 72v
Nominal Capacity(Ah): 150Ah
Rated Energy(wh): 10800wh (10.8Kwh)
Maximum Charging Voltage(v):83.95v
Maximum Charging Current(A) : 75A
Maximum Continuous Discharge Current(A) : 150A
Maximum Peak Discharge Current @10sec(A) : 225A
Maximum Load Power(w): 10800w
Discharge Cut-off Voltage(v): 57.5v
Cell Type: 48173166/150Ah
Battery Brand: Anchor Battery 23S1P
Cycle time: 1500(80%)
Protection Grade: IP65
Overall Dimension(mm) : 690*370*270mm
Reference weight(kg) : Approx. 95kg
Application areas: golf carts and low-speed vehicles, logistics vehicles



TYCORUN Battery Specifications

TC-A892

Nominal voltage(v) : 25.6v

Nominal Capacity(Ah): 230Ah

Rated Energy(wh): 5888wh (5.888Kwh)

Maximum Charging Voltage(v):29.2v

Maximum Charging Current(A) : 115A

Maximum Continuous Discharge Current(A) : 170A

Maximum Peak Discharge Current @0.1sec(A) : 400A

Maximum Load Power(w): 2944w

Discharge cut-off voltage(v): 20v

Cell Model: LF230

Battery Brand: EVA Battery 8S1P

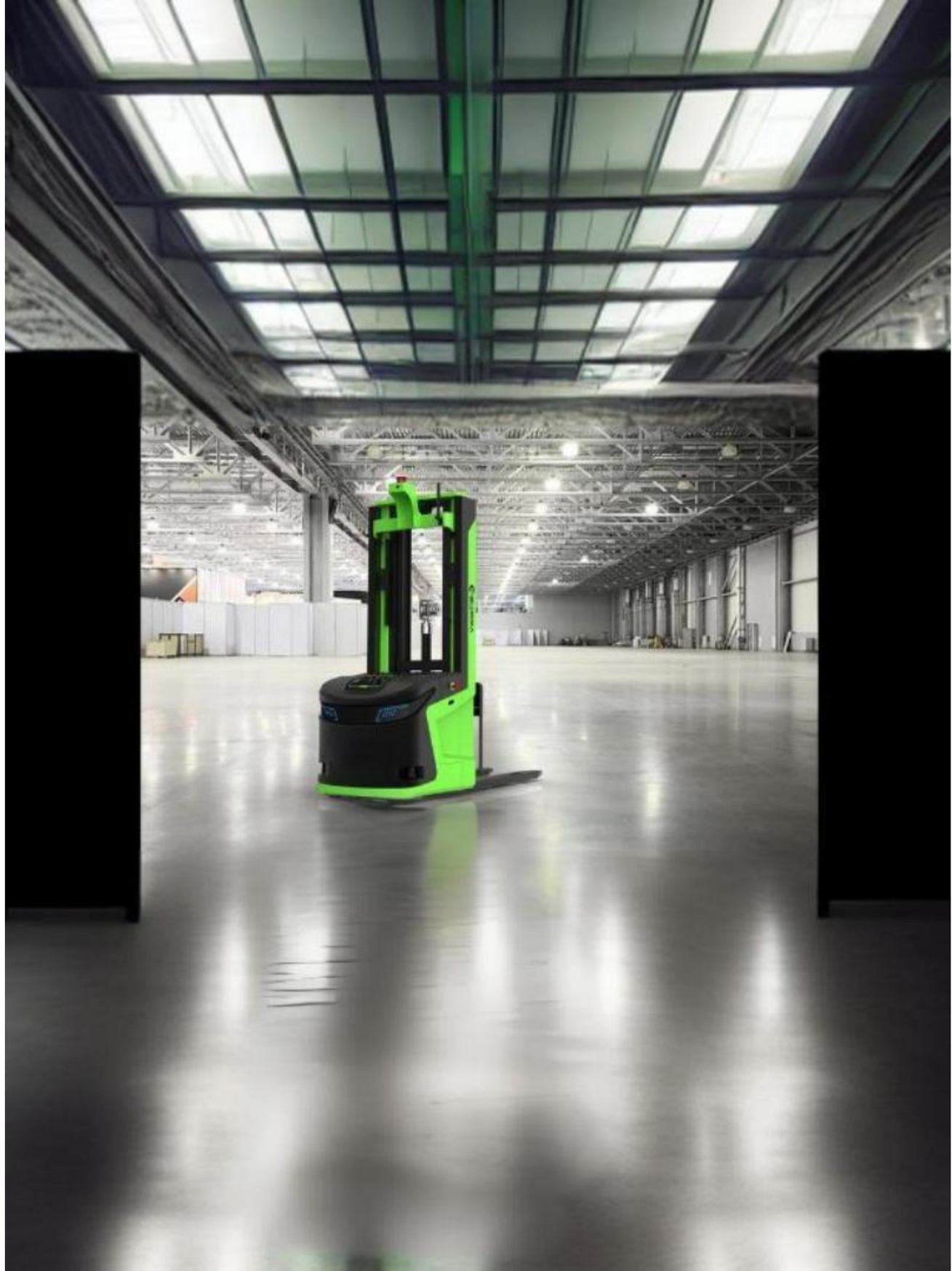
Cycle times: 4000/(80%)/25 degrees 0.5C/0.5C

Protection Grade: IP65

Overall Dimension(mm) : 579*290*235mm

Reference weight(kg) : about 43.8kg

Application: AGv, Handling trolley



TYCORUN Battery Specifications

TC-A929

Nominal voltage(v) : 48v

Nominal Capacity(Ah): 100Ah

Rated Energy(wh): 4800wh (4.8Kwh)

Maximum Charging Voltage(v):54.75v

Maximum Charging Current(A) : 50A

Maximum Continuous Discharge Current(A) : 50A

Maximum Peak Discharge Current @30sec(A) : 100A

Maximum Load Power(w): 2400w

Discharge Cut-off Voltage(v): 33v

Cell Model: LF100LA

Battery Brand: Everwell Battery 15S1P

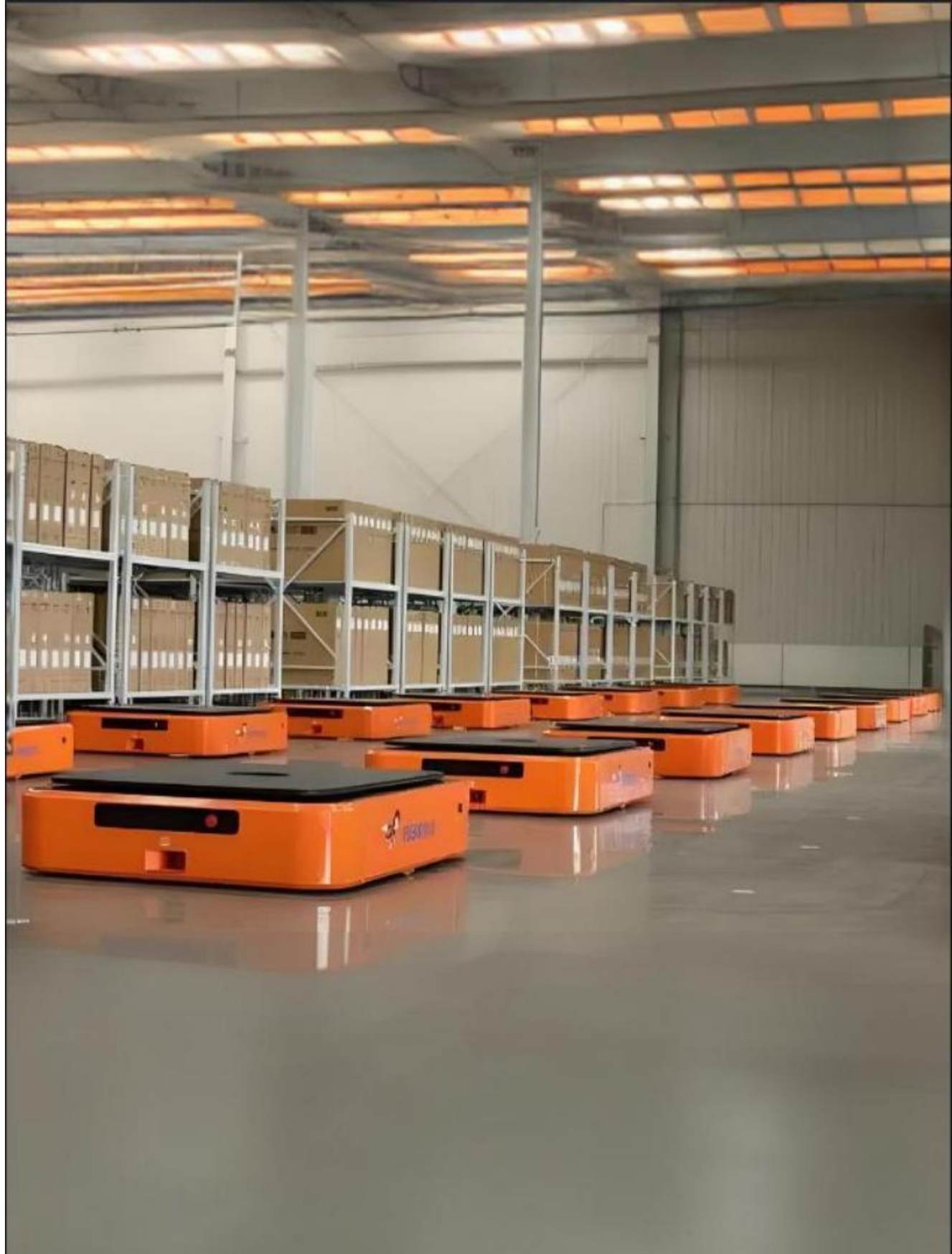
Cycling times: 5000 normal temperature 0.5C/0.5C(80%)

Protection Grade: IP65

Overall Dimension(mm) : 860*190*170mm

Reference weight(kg) : about 41.3kg

Application: AGv, Handling trolley



TYCORUN Battery Specifications

TC-A958

Nominal voltage(v) : 48v

Nominal Capacity(Ah): 55Ah

Rated Energy(wh): 2640wh (2.64Kwh)

Maximum Charging Voltage(v):55.9v

Maximum Charging Current(A) : 55A

Maximum Continuous Discharge Current(A) : 110A

Maximum Peak Discharge Current @ 2 sec(A) : 200A

Maximum Load Power(w): 5280w

Discharge Cut-off Voltage(v): 36.4v

Cell Type: INP27148101A-55Ah

Battery Brand: Guoxuan Battery 13S1P

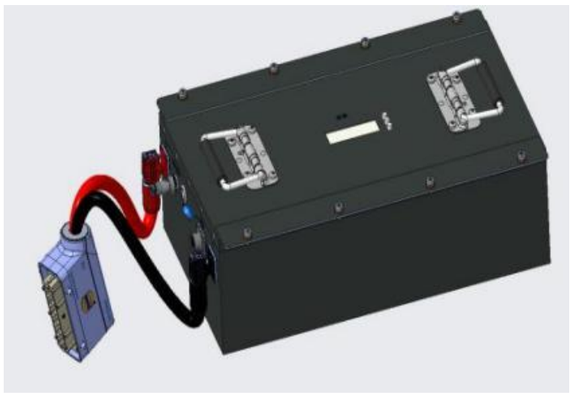
Cycling times: 2000 normal temperature 1C/1C(80%)

Protection Grade: IP65

Overall Dimension(mm) : 430*240*135mm

Reference weight(kg) : about 18.6kg

Application areas: AGv, low-speed vehicles and golf carts



TYCORUN Battery Specifications

TC-A976

Nominal voltage(v) : 25.6v

Nominal Capacity(Ah): 165Ah

Rated Energy(wh): 4224wh (4.2Kwh)

Maximum Charging Voltage(v):29.2v

Maximum Charging Current(A) : 50A

Maximum Continuous Discharge Current(A) : 120A

Maximum Peak Discharge Current @ 2 sec(A) : 150A

Maximum Load Power(w): 3072w

Discharge Cut-off Voltage(v): 20v

Cell Type: IFP48173166-165Ah

Battery Brand: Anchor Battery 8S1P

Cycling times: 2500 normal temperature 1C/1C(80%)

Protection Grade: IP65

Overall Dimension(mm) : 498*247*234mm

Reference weight(kg) : Approx. 34kg

Application: AGv,Handling trolley

TYCORUN Battery Specifications

TC-A987

Nominal voltage(v) : 48v

Nominal Capacity(Ah): 100Ah

Rated Energy(wh): 4800wh (4.8Kwh)

Maximum Charging Voltage(v): 54v

Maximum Charging Current(A) : 50A

Maximum Continuous Discharge Current(A) : 100A

Maximum Peak Discharge Current @10sec(A) : 110A

Maximum Load Power(w): 2000w

Discharge Cut-off Voltage(v): 37.5v

Cell Type: IFP48173115-100Ah

Brand: IFP15S1P

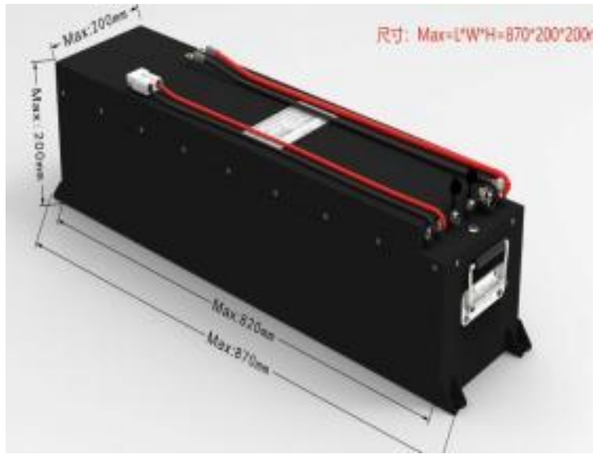
Cycle times: 2000 normal temperature (80%)

Protection Grade: IP65

Overall Dimension(mm) : 870*200*200mm

Reference weight(kg) : 42kg

Application: Golf Cart



TYCORUN Battery Specifications

TC-A940

Nominal voltage(v) : 73.6v

Nominal Capacity(Ah): 105Ah

Rated Energy(wh): 7728wh (7.728Kwh)

Maximum Charging Voltage(v): 83.95v

Maximum Charging Current(A): 105A

Maximum Continuous Discharge Current (A) : 105A

Maximum Peak Discharge Current @ 2 sec(A) : 220A

Maximum Load Power(w): 5000w

Discharge Cut-off Voltage(v): 50.6v

Cell Type: LF105-105Ah

Battery Brand: EVA Battery 23S1P

Cycle times: 2000 normal temperature (80%)

Protection Grade: IP65

Overall Dimension(mm) : 620*300*236mm

Reference weight(kg) : Approx. 65kg

Application: Golf Cart

TYCORUN Battery Specifications

TC-A1019

Nominal voltage(v) : 73.6v

Nominal Capacity(Ah): 230Ah

Rated Energy(wh): 16928wh (16.928Kwh)

Maximum Charging Voltage(v): 83.95v

Maximum Charging Current(A): 48A

Maximum Continuous Discharge Current(A) : 200A

Maximum Peak Discharge Current @ 2 sec(A) : 220A

Maximum Load Power(w) : 14720w

Discharge Cut-off Voltage(v): 57.5v

Cell Type: LF230-230Ah

Battery Brand: EVA Battery 23S1P

Cycle times: 2000 normal temperature (80%)

Protection Grade: IP65

Overall Dimension(mm) : 800*430*278mm

Reference weight (kg) : Approx. 140kg

Application: Golf Cart

TYCORUN Battery Specifications

TYCORUN-A1003:

Nominal Voltage(v) : 76.8v

Nominal Capacity(Ah): 230Ah

Nominal Energy (wh): 17664wh (17.664Kwh)

Maximum Charging Voltage(v): 87.6v

Maximum Charging Current(A): 65A

Maximum Continuous Discharge Current(A) : 200A

Maximum Peak Discharge Current @5sec(A) : 250A

Maximum Load Power(w): 15360w

Discharge Cut-off Voltage(v): 60v

Cell Type: LF230-230Ah

Cell Brand: EVA Cell Combination: 24S1P

Cycle times: 2000 normal temperature (80%)

Protection Grade: IP65

Overall Dimension(mm) : 647*490*290mm

Reference weight(kg) : Approx. 150kg

Application: Golf Cart

TYCORUN Battery Specifications

TC-A998

Nominal voltage(v) : 48v

Nominal Capacity(Ah): 110Ah

Rated Energy(wh): 5280wh (5.28Kwh)

Maximum Charging Voltage(v):54.75v

Maximum Charging Current(A) : 70A

Maximum Continuous Discharge Current(A) : 100A

Maximum Peak Discharge Current @ 2 sec(A) : 190A

Maximum Load Power(w): 4800w

Discharge Cut-off Voltage(v): 37.5v

Cell Type: IFP33173166-110Ah

Brand: Anchor 15S1P

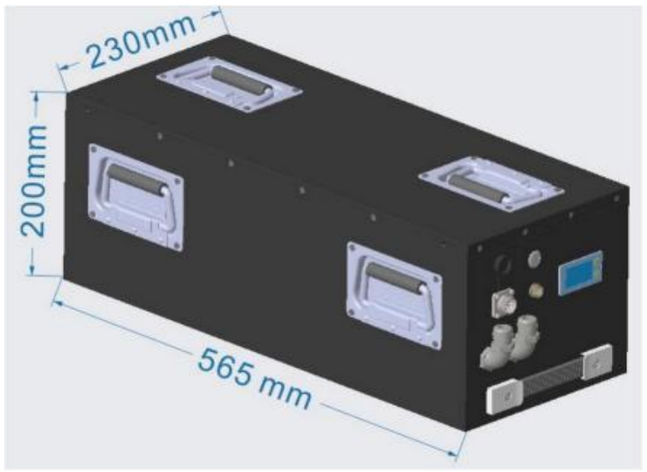
Cycle Time: 2000(80%)

Protection Grade: IP54

Overall Dimension(mm) : 565*230*200mm

Reference weight(kg) : Approx. 41.6kg

Application: Construction Robot



LP36-105

Nominal voltage(v) : 38.4v

Nominal Capacity(Ah): 105Ah

Rated Energy(wh): 4032wh (4.032Kwh)

Maximum Charging Voltage(v):43.6v

Maximum Charging Current(A) : 100A

Maximum Continuous Discharge Current(A) : 200A

Maximum Peak Discharge Current @ 3 seconds(A) : 600A

Maximum Load Power(w): 7680w

Discharge Cut-off Voltage(v): 30v

Cell Model: 27175200

Battery Brand: Guoxuan Battery 12S1P

Cycle Time: 2000(80%)

Protection Grade: IP54

Size: 522*238.8*220mm

Application: Golf Cart

TYCORUN Battery Specifications

LP48-105

Nominal voltage(v) : 51.2v

Nominal Capacity(Ah): 105Ah

Rated Energy(wh): 5376wh (5.376Kwh)

Maximum Charging Voltage(v):58.4v

Maximum Charging Current(A) : 100A

Maximum Continuous Discharge Current(A) : 200A

Maximum Peak Discharge Current @ 3 seconds(A) : 600A

Maximum Load Power(w): 10240w

Discharge Cut-off Voltage(v): 43.2v

Cell Model: 27175200

Battery Brand: EVA Battery 16S1P

Cycle Time: 2000(80%)

Protection Grade: IP54

Size: 522*269.2*220mm

Application: Golf Cart

LP76-65

Nominal voltage(v) : 76.8v

Nominal Capacity(Ah): 65Ah

Rated Energy(wh): 4992wh (4.99Kwh)

Maximum Charging Voltage(v):87.6v

Maximum Charging Current(A) : 65A

Maximum Continuous Discharge Current(A) : 150A

Maximum Peak Discharge Current @ 3 seconds(A) : 500A

Maximum Load Power(w): 11520w

Discharge Cut-off Voltage(v): 60v

Cell: 24S1P

Cycle Time: 2000(80%)

Protection Grade: IP54

Size: 522*269.2*220mm

Application: Golf Cart