



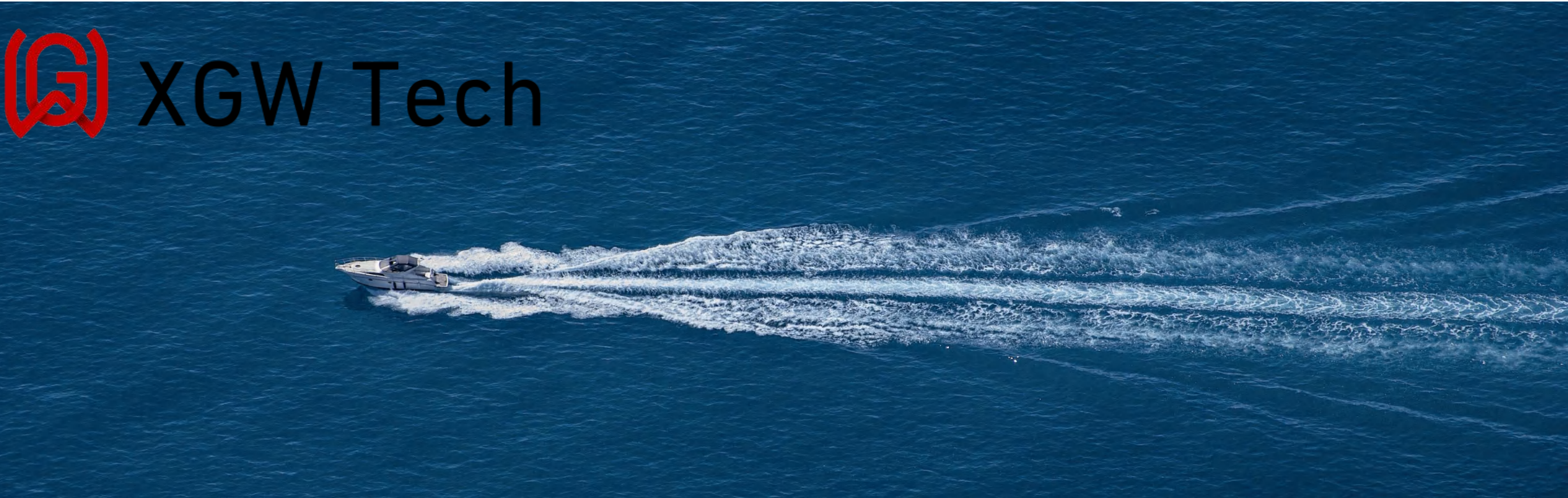
BRING LIGHT TO EVERY CORNER OF THE WORLD

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INTERNATIONAL QUALITY F

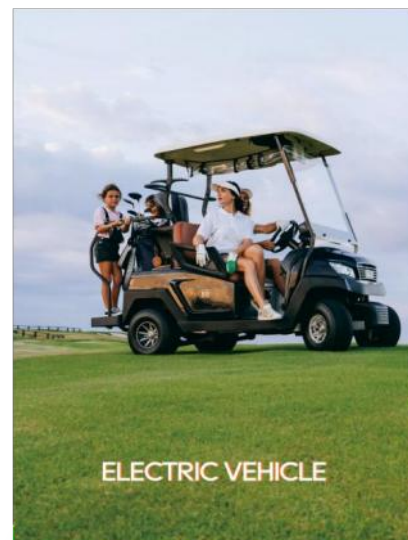
COMPREHENSIVE APPLICATION SOLUTION PROVIDER



**EXPAND
BOUNDARIES**



**COLLECTIVE
ENERGY**



SHARE



**CREATING
THE FUTURE**





CONTENT

COMPANY PROFILE

PRODUCT SOLUTIONS.....

CORPORATE STRENGTH



Quality Guarantee



Technical Support



Premium After-sales
Support

MANUFACTURING FACILITIES

Production area of over 20,000 square meters.



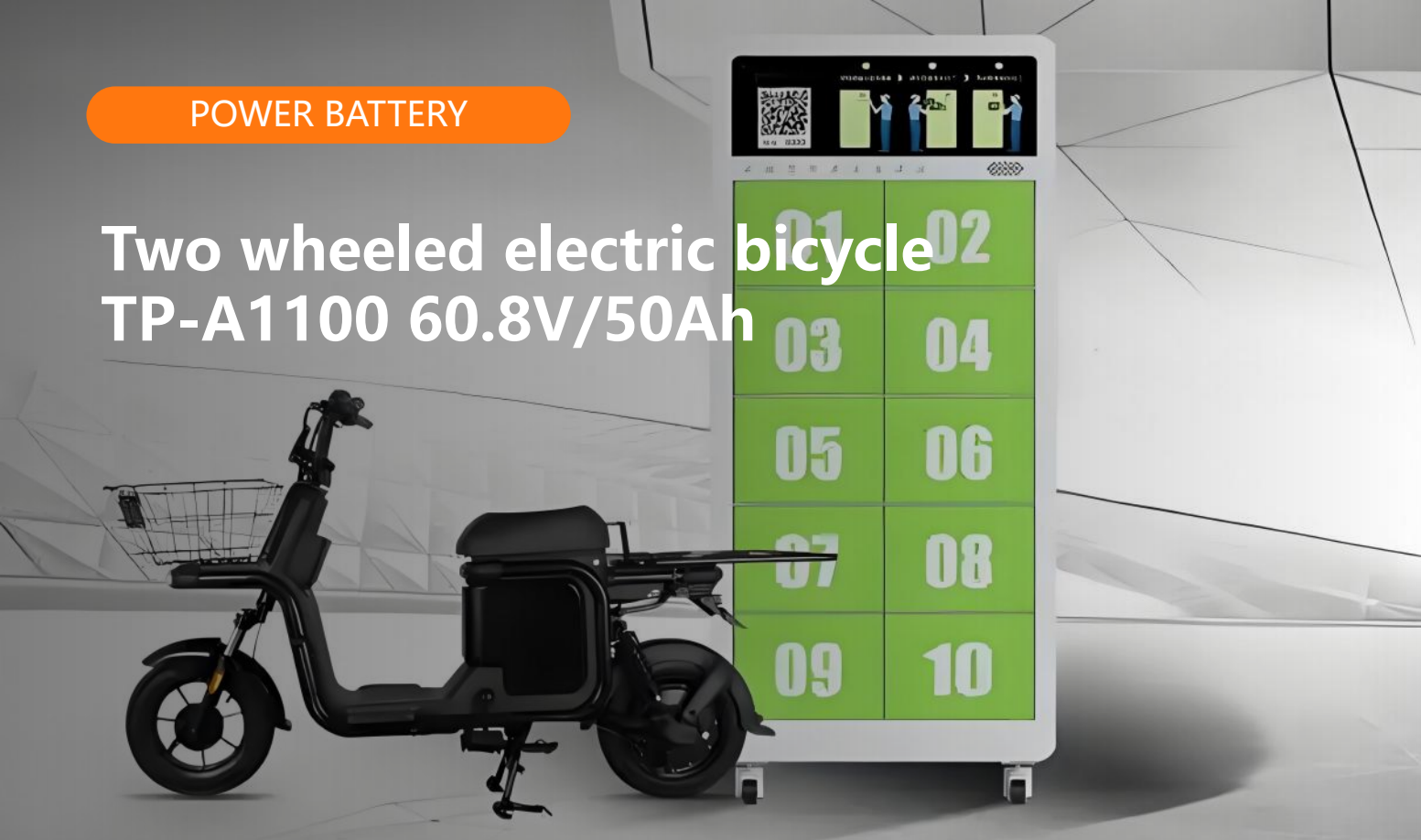
OUR CLIENTS

We partner with leading industry pioneers and innovative brands, earning the long-term trust of clients worldwide. Each successful collaboration is a testament to our strength and quality, inspiring us to keep moving forward in pursuit of excellence.



POWER BATTERY

Two wheeled electric bicycle
TP-A1100 60.8V/50Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A1100 60.8V/50Ah
Nominal voltage (V)	60.8V
Nominal Capacity (Ah)	50Ah
Rated Energy (Wh)	3040Wh(3.04KWh)
Maximum charging voltage (V)	69.35V
Maximum charging current (A)	25A
Maximum continuous discharge current (A)	50A
Maximum peakdis charge current@30 seconds (A)	110A
Maximum load power (W)	3040W
Discharge cut-off voltage (V)	41.8V
Cell model	IFP20100140-27Ah
Battery brand	GuoXuan
Cell combination method	19S2P
Cycle (25°C,0.5C,DOD80%)	3000
Protection class	IP65
Overall dimensions (mm)	430*260*205mm
Reference weight (kg)	About 31.65kg
Application areas	electric bicycle
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Communication mode	RS485

POWER BATTERY

TP-12200 12V/100Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP54 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-12200 12V/100Ah
Nominal voltage (V)	12.8V
Nominal Capacity (Ah)	100Ah
Rated energy(Wh)	1280Wh(1.28kWh)
Maximum Charging Voltage (V)	14.6V
Maximum Charging Current (A)	100A
Maximum continuous discharge current(A)	100A
Maximum Peak Discharge Current @30 seconds (A)	300A
Maximum load power (W)	4200W
Discharge cut-off voltage (V)	10V
Cell model	LF100MA
Battery brand	EVE
Cell combination method	4S1P
Cycle (25°C,0.5C,DOD80%)	4000
Protection class	IP54
Reference weight (g)	9500g
Application areas	car
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Product size(w*D*H,mm)	330*175*213mm
Communication mode	/



POWER BATTERY

TP-24100 24V100Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP54 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-24100 24V100Ah
Nominal voltage (V)	25.6V
Nominal Capacity (Ah)	100Ah
Rated energy(Wh)	2560Wh(2.56kWh)
Maximum Charging Voltage (V)	29.2V
Maximum Charging Current (A)	100A
Maximum continuous discharge current(A)	100A
Maximum Peak Discharge Current @30 seconds (A)	300A
Maximum load power (W)	8700W
Discharge cut-off voltage (V)	20V
Cell model	LF100MA
Battery brand	EVE
Cell combination method	8S1P
Cycle (25°C.0.5C,DOD80%)	4000
Protection class	IP54
Reference weight (g)	19000g
Application areas	car
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Product size(w*D*H,mm)	521*239*219mm
Communication mode	/

POWER BATTERY

TP-YTX17/PN10-10Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership



PARAMETERS

Items	TP-YTX17/PN10-10Ah
Operating Voltage Range (V)	8.0~16.0
Nominal voltage (V)	12V
Nominal Capacity (Ah)	10Ah
Minimum capacity (Ah)	≥9
Rated Energy (Wh)	120
Maximum Discharge Power @ 3 Seconds (W)	1200
Fast Charging Voltage (V)	14.6
Standby Charging Voltage/Float Charging Voltage (V)	14.2
Standard Charging Current (A)	10
Recommended Charging Current (A)	≤10
Max.continuous Charge Current (A)	30
Standard discharge current (A)	10
Maximum Discharge Current (A)	≤30
Cold Cranking Amps (CCA)	250
Internal Resistance (mΩ)	≤18
Charge Temperature(°C)	-20~50
Discharge Temperature(°C)	-40~80
Cycle (25°C,0.5C,DOD80%)	> 3000
Battery cell configuration	32140-4S1P
Protection class	IP65
Reference weight (g)	2.5kg
Product size(w*D*H,mm)	176*87*155mm

POWER BATTERY

TP-PN31-40Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry aboutperformance degradation.
- Fast charging,no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advancedbattery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordancewith vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	PT-PN31-40Ah
Operating Voltage Range (V)	16.0~32.0
Nominal voltage (V)	24V
Nominal Capacity (Ah)	40Ah
Minimum capacity (Ah)	≥39
Rated Energy (Wh)	960
Maximum Discharge Power @ 3 Seconds (W)	9600
Fast Charging Voltage (V)	29.2
Standby Charging Voltage/Float Charging Voltage (V)	28.4
Standard Charging Current (A)	40
Recommended Charging Current (A)	≤40
Max.continuous Charge Current (A)	120
Standard discharge current (A)	40
Maximum Discharge Current (A)	≤120
Cold Cranking Amps (CCA)	900
Internal Resistance (mΩ)	≤10
Charge Temperature(°C)	-20~50
Discharge Temperature(°C)	-40~80
Cycle (25°C,0.5C,DOD80%)	> 3000
Battery cell configuration	32140-8S4P
Protection class	IP65
Reference weight (g)	10kg
Productsize(w*D*H,mm)	398*175*188mm



POWER BATTERY

AGV, handling trolley
TP-A892 25.6V/230Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership



PARAMETERS

Items	TP-A892 25.6V/230Ah
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 @30 seconds (A)	400A
Maximum load power (W)	4352W
Discharge cut-off voltage (V)	20V
Cell model	Lf230
Battery brand	Yiwei
Cell combination method	8S1P
Cycle (25°C.0.5C,DOD80%)	4000
Protection class	IP65
Overall dimensions(mm)	(579*290*235)+2 mm
Reference weight (kg)	About 43.8kg
Application areas	AGV, handling trolley
Charging temperature(°C)	0~60°C
Discharge temperature(°C)	-20~60°C
Communication mode	/

POWER BATTERY

Truck and RV parking battery
TP-A936 51.2V/54Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership



PARAMETERS

Items	TP-A936 51.2V/54Ah
Nominal voltage (V)	51.2V
Nominal Capacity (Ah)	54Ah
Rated energy(Wh)	2560Wh(2.56kWh)
Maximum Charging Voltage (V)	58.4V
Maximum Charging Current (A)	40V
Maximum continuous discharge current(A)	60A
Maximum Peak Discharge Current @30 seconds (A)	70A
Maximum load power (W)	2560W
Discharge cut-off voltage (V)	40V
Cell model	GSP3914895F/50Ah
Battery brand	PengHui
Cell combination method	16S1P
Cycle (25°C.0.5C,DOD80%)	3000
Protection class	IP65
Overall dimensions(mm)	340*210*245mm
Reference weight (kg)	About 25kg
Application areas	Trucks and RVs
Charging temperature(°C)	-10~+55°C
Discharge temperature(°C)	-20~60°C
Communication mode	RS485/CAN

POWER BATTERY

Golf carts, low-speed vehicles.and logistics vehicles TP-A955 35.2V/67Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry aboutperformance degradation.
- Fast charging,no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advancedbattery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordancewith vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A955 35.2V/67Ah
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 @30 seconds (A)	160A
Maximum load power (W)	2816W
Discharge cut-off voltage (V)	22V
Cell model	IFP42100140A-67Ah
Battery brand	Guoxuan
Cell combination method	11S1P
Cycle (25°C,0.5C,DOD80%)	1500
Protection class	IP65
Overall dimensions(mm)	350*175*255mm
Reference weight (kg)	About 30kg
Application areas	Golfcarts,low-speedvehicles, andlogisticsvehicles
Charging temperature (°C)	0~45°C
Discharge temperature (°C)	-20~55°C
Communication mode	/



POWER BATTERY

TP-A1129 51.2V/105Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A1129 51.2V/105Ah
Nominal voltage (V)	51.2V
Nominal Capacity (Ah)	105Ah
Rated energy(Wh)	5376Wh(5.37kWh)
Maximum Charging Voltage (V)	58.4V
Maximum Charging Current (A)	52.5A
Maximum continuous discharge current (A)	105A
Maximum Peak Discharge Current @30 seconds (A)	300A
Maximum load power (W)	5376W
Discharge cut-off voltage (V)	40V
Cell model	ILF105-105Ah
Battery brand	/
Cell combination method	16S1P
Cycle (25°C,0.5C,DOD80%)	3000
Protection class	IP65
Overall dimensions(mm)	460*334*240mm
Reference weight (kg)	/
Application areas	Go-karts, starter batteries, lead-acid to lithium batteries
Charging temperature (°C)	0~45°C
Discharge temperature (°C)	-20~55°C
Communication mode	RS485



AGV, handling trolley

TP-A1147 48V/150Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP65 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

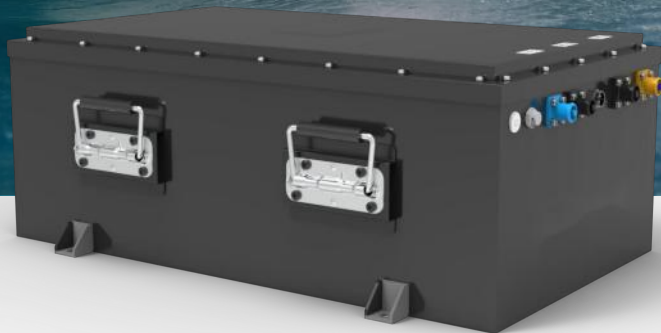
- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A1147 48V/150Ah
Nominal voltage (V)	48V
Nominal Capacity (Ah)	150Ah
Rated energy(Wh)	7200Wh(7.2kWh)
Maximum Charging Voltage (V)	54.75V
Maximum Charging Current (A)	50V
Maximum continuous discharge current(A)	150A
Maximum Peak Discharge Current @30 seconds (A)	250A
Maximum load power (W)	7200W
Discharge cut-off voltage (V)	37.5V
Cell model	LF150-150Ah
Battery brand	Yiwei
Cell combination method	15S1P
Cycle (25°C.0.5C,DOD80%)	2000
Protection class	IP65
Overall dimensions(mm)	520*320*265mm
Reference weight (kg)	About 54.5kg
Application areas	AGV cart
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~55°C
Communication mode	RS485

POWER BATTERY

Yacht, bamboo raft, kart battery
TP-A889 72V/80Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A889 72V/80Ah
Nominal voltage (V)	76.8V
Nominal Capacity (Ah)	81Ah
Rated energy(Wh)	6220Wh(6.22kWh)
Maximum Charging Voltage (V)	87.6V
Maximum Charging Current (A)	40A
Maximum continuous discharge current(A)	160A
Maximum Peak Discharge Current @30 seconds (A)	220A
Maximum load power (W)	12288W
Discharge cut-off voltage (V)	52.8V
Cell model	IFP20100140A-27Ah
Battery brand	Guoxuan
Cell combination method	24S3P
Cycle (25°C.0.5C,DOD80%)	2500
Protection class	IP67
Reference weight (kg)	About 60kg
Application areas	Yachts, bamboo rafts, karts
Charging temperature(°C)	0~55°C
Discharge temperature(°C)	-20~55°C
Product size(w*D*H,mm)	683±1*423±1*230±1mm
Communication mode	CAN/RS485



POWER BATTERY

surfboard TP-A903 65.7V/55Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A903 65.7V/55Ah
Nominal voltage (V)	65.7V
Nominal Capacity (Ah)	55Ah
Rated energy(Wh)	3613.5Wh(3.6135kWh)
Maximum Charging Voltage (V)	83.95V
Maximum Charging Current (A)	55A
Maximum continuous discharge current(A)	165A
Maximum Peak Discharge Current @30 seconds (A)	200A
Maximum load power (W)	12000W
Discharge cut-off voltage (V)	50.4V
Cell model	INP27148101A-55Ah
Battery brand	Guoxuan
Cell combination method	18S1P
Cycle (25°C.0.5C,DOD80%)	2000
Protection class	IP67
Reference weight (kg)	About 25kg
Application areas	surfboard
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-30~55°C
Product size(w*D*H,mm)	405±1*285±1*126.5±1mm
Communication mode	CAN



POWER BATTERY

TP-A959 51.2V400Ah

PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry aboutperformance degradation.
- Fast charging,no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advancedbattery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordancewith vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A959 51.2V400Ah
Nominal voltage (V)	51.2
Nominal Capacity (Ah)	400Ah
Rated energy(Wh)	20480Wh(20.48kWh)
Maximum Charging Voltage (V)	58.4V
Maximum Charging Current (A)	400A
Maximum continuous discharge current(A)	400A
Maximum Peak Discharge Current @30 seconds (A)	480A
Maximum load power (W)	20480W
Discharge cut-off voltage (V)	40V
Cell model	LF50F-50Ah
Battery brand	EVE Energy
Cell combination method	16S1P*8
Cycle (25°C.0.5C,DOD80%)	1500
Protection class	IP67
Reference weight (kg)	About 30kg
Application areas	Ships, yachts
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Productsize(w*D*H,mm)	400*325*150
Communication mode	/

POWER BATTERY

Motor boats, bamboo rafts
TP-A1072 74.6V/95Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-A1072 74.6V/95Ah
Nominal voltage (V)	74.6V
Nominal Capacity (Ah)	95Ah
Rated energy(Wh)	7087Wh
Maximum Charging Voltage (V)	4.35V
Maximum Charging Current (A)	190A
Maximum continuous discharge current(A)	300A
Maximum Peak Discharge Current @30 seconds (A)	350A
Maximum load power (W)	23000W
Discharge cut-off voltage (V)	60V
Cell model	IFP20100140A-27Ah
Battery brand	Guoxuan
Cell combination method	24S4P
Cycle (25°C,0.5C,DOD80%)	2000
Protection class	IP67
Reference weight (kg)	About 46kg
Application areas	Motorboats,bamboo rafts
Charging temperature(°C)	0~55°C
Discharge temperature(°C)	-20~55°C
Product size(w*D*H,mm)	515±1*393±1*127±1mm
Communication mode	CAN/RS485



POWER BATTERY

uncrewed surface vessel

TP-C2097 29.04V/34.3Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership



PARAMETERS

Items	TP-C2097 29.04V/34.3Ah
Nominal voltage (V)	29.04V
Nominal Capacity (Ah)	34.3Ah
Rated energy(Wh)	996Wh(0.996kWh)
Maximum Charging Voltage (V)	33.6V
Maximum Charging Current (A)	10A
Maximum continuous discharge current(A)	50A
Maximum Peak Discharge Current @30 seconds (A)	80A
Maximum load power (W)	1452W
Discharge cut-off voltage (V)	21.2V
Cell model	50E-21700-5Ah
Battery brand	Samsung
Cell combination method	8S7P
Cycle (25°C,0.5C,DOD80%)	500
Protection class	IP67
Reference weight (kg)	About 6.4kg
Application areas	uncrewed surface vessel
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Product size(w*D*H,mm)	(271*236*116)±1mm
Communication mode	CAN

Robot Battery Solutions: Longer Life, Peak Performance TP-C2337 48V/15Ah



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP54 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-C2337 48V/15Ah
Nominal voltage (V)	48V
Nominal Capacity (Ah)	15Ah
Rated energy(Wh)	720Wh(0.72kWh)
Maximum Charging Voltage (V)	54.6V
Maximum Charging Current (A)	7A
Maximum continuous discharge current(A)	30A
Maximum Peak Discharge Current @30 seconds (A)	50A
Maximum load power (W)	1440W
Discharge cut-off voltage (V)	35.1V
Cell model	INR21700-50E
Battery brand	Samsung
Cell combination method	13S3P
Cycle (25°C.0.5C,DOD80%)	500
Protection class	IP54
Reference weight (kg)	About 4.7kg
Application areas	uncrewed surface vessel
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Product size(w*D*H,mm)	(234*190*106)±1mm
Communication mode	RS485

POWER BATTERY

Drone Power Battery Solution
TP-C0553 21.6V 20000mAh



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership



PARAMETERS

Items	TP-C0553 21.6V 20000mAh
Nominal voltage (V)	22.2V
Nominal Capacity (Ah)	34.3Ah
Rated energy(Wh)	996Wh(0.996kWh)
Maximum Charging Voltage (V)	33.6V
Maximum Charging Current (A)	10A
Maximum continuous discharge current(A)	50A
Maximum Peak Discharge Current @30 seconds (A)	80A
Maximum load power (W)	1452W
Discharge cut-off voltage (V)	21.2V
Cell model	50E-21700-5Ah
Battery brand	Samsung
Cell combination method	6S
Cycle (25°C,0.5C,DOD80%)	500
Protection class	IP67
Reference weight (g)	2600g
Application areas	uncrewed surface vessel
Charging temperature(°C)	0~45°C
Discharge temperature(°C)	-20~60°C
Product size(w*D*H,mm)	205*92*66mm
Communication mode	CAN

POWER BATTERY

TP-18650-5S2P 18V/5200mAh



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry about performance degradation.
- Fast charging, no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advanced battery management and multiple protections.
- Stronger thermal and chemical stability, reducing the risk of thermal runaway

Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordance with vehicle-grade production standards.

Reduce maintenance costs

- No gas or acid leakage; no additional space required for batteries, saving costs.
- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-18650-5S2P 18V/5200mAh
Typical Capacity	5200mAh
Minimum Capacity	5000mAh
Nominal Voltage	18V
Internal Impedance	Battery: ≤80mΩ
Charge voltage	21V
Standard charge current	1040mA
Max. charge current	2600mA
Standard dis-charge current	2600mA
Max. discharge current	15A
Overcurrent protection	25-38A
Shipping voltage requirements	19~19.5V
Operating Temperature	
Charging	0~+45℃
Discharging	-20~+60℃
Storage Temperature	
Less than 1 month	-20~+45℃
Less than 3 month	0~+25℃
Less than 1 year	-20~+60℃



POWER BATTERY

TP-INR18650-25.2V6Ah-7S2P



PRODUCT FEATURES

EFFICIENT POWER

- Highly stable performance, no need to worry aboutperformance degradation.
- Fast charging,no memory effect, charge at any time.
- Lighter weight, easier to maneuver and faster to start.

Safety

- Completely sealed design, IP67 protection level, waterproof and dustproof.
- Intelligent battery management system enables battery balancing, advancedbattery management and multiple protections.
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Durable

- 6-year design life and over 3,000 cycles
- Low self-discharge rate.
- Batteries are manufactured in accordancewith vehicle-grade production standards.

Reduce maintenance costs

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- No need for frequent and time-consuming battery replacements.
- Save labor and maintenance costs, lower total cost of ownership

PARAMETERS

Items	TP-INR18650-25.2V6Ah-7S2P
Typical Capacity	3000mAh
Minimum Capacity	2950mAh
Nominal Voltage	3.6V
Internal Impedance	Battery: ≤17mΩ
Charge voltage	4.2V
Dimension	Height : ≤65.30mm Diameter : ≤18.50mm
Weight	48g (Max)
Charge voltage	4.2V
Standard charge current	Charge with a constant current of 1.5A to 4.2V.
Rapid Charge Current	Constant current charge at 6A to 4.2V.
Discharge cut-off voltage	2.5V
Standard Discharge Current	0.2C
Max. Discharge Current	15A
Cycle Life	1C/5C