

Shenzhen SI-SWAY New Energy Co., Ltd



SI-SWAY New Energy CO., LTD. is committed to continuous product improvement. The information in this catalogue is provided for reference only and may be subject to change without prior notice. We reserve the right to make revisions and product alterations and improvements at any time.

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Lithium battery solutions

LiFePO4 Batteries For Golf Carts /LSVs/ UTVs

The Global forerunner
in Lithium Golf Cart Batteries
Industry





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Ideal Power Solutions

A reliable and high-quality battery is essential for any vehicle, whether it is used for work, leisure, or local transportation. A battery that is both reliable and high-quality is necessary to power your vehicle and ensure a smooth and uninterrupted experience.



Golf Carts

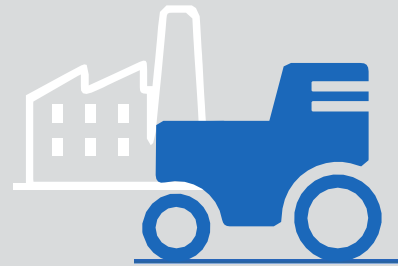


Sight Seeing Shuttle

**THE POWER
BEHIND
PERFORMANCE**



UTV



Cart Tugger

100% Power. 100% Fun

SI-SWAY lithium-powered batteries are the optimal choice to pair with golf carts, LSVs, and UTVs for top performance. They consistently deliver sustained energy, marked by exceptional endurance and stability, ensuring that you can always harness the full potential of your golf cart.



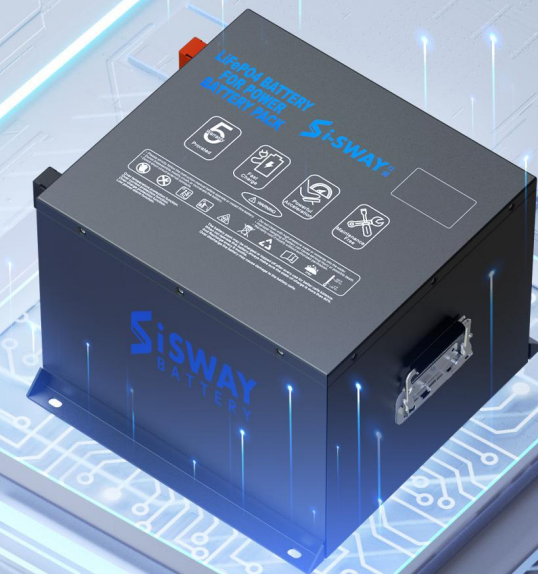
Last Longer



Go Further



More Fun



Efficient and Powerful

- ✓ High power without voltage drop.
- ✓ Fast charging in 2.5 hours.
- ✓ No memory effect.
- ✓ Lightweight for easy manoeuvrability and faster start-up.

Ultra-Safe

- ✓ Seamless and dustproof. No water or dust can get in.
- ✓ More thermal & chemical stability and reduced risk of thermal runaway
- ✓ Intelligent BMS for balancing cells, managing batteries and protecting them.



01



02



03



04

Zero Maintenance

- ✓ No gas or acid spills, avoids the space, equipment and running costs of a battery room and ventilation system
- ✓ No need for frequently replaced batteries
- ✓ No maintenance saves labor and maintenance costs. Lower total costs

Long-Lasting. Long Runtime

- ✓ Each unit is designed to last for up to 10 years and to withstand over 4000 cycles.
- ✓ The SI-SWAY battery is manufactured to automotive-grade standards.
- ✓ The battery life varies from 4 to 8 months depending on the product and weather conditions.



Power That's Driven to Outperform

Note: SI-SWAY offers standard and customizable power solutions to meet your specific requirements and fit more famous golf cart / LSVs / UTVs.

Offer Extra Edges To Enjoyable Golfing

5 Years of Full Replacement Warranty

An extended warranty provides additional peace of mind.



Eco-Friendly

Non-toxic and non-polluting. Harmless to you and nature.



High Compatibility

36V, 48V, and 72V batteries for various golf cart models.



Give Extra Edges for Enjoyable Golfing

LiFePO Benefits **over** Lead-Acid Batteries

The numerous advantages of the I-SWAY LiFePO battery make it an optimal substitute for conventional lead-acid batteries. While the transition to lithium-ion may necessitate a higher initial expenditure, the long-term savings in energy, equipment, labour and downtime will significantly reduce your total cost of ownership (TCO).

LiFePO		Lead-Acid	
Around 10 years	Design life	3 years	
>3,500 times	Cycle life	<500 times	
Maintenance- free	Maintenance	Regular maintenance required	
*About 2.5 hours, charge any time	Charging time/frequency	About 8 to 10 hours, charge after use	
Multiple built-in protections	Safety	Potential acid spills	
Eco-friendly	Environment effects	Harmful lead	

Expenditures over 5 years	I-SWAY LiFePO battery	Lead-acid battery				
Battery cost						
Maintenance						
Electricity waste						
Installation						
Shipping						

The General Series

offers a means of enhancing your everyday ride with the use of lithium-ion technology.

SI-SWAY Series batteries, which represent a significant upgrade to the golfing experience. These batteries offer a hassle-free solution that meets the demands of today's golfers. They provide an extended lifespan, an extended range, freedom from daily maintenance, and a guaranteed lifespan of 10 years.

Zero
Maintenance

5 YRS
Warranty

Fast
Charge




Integrated
Double Fuses

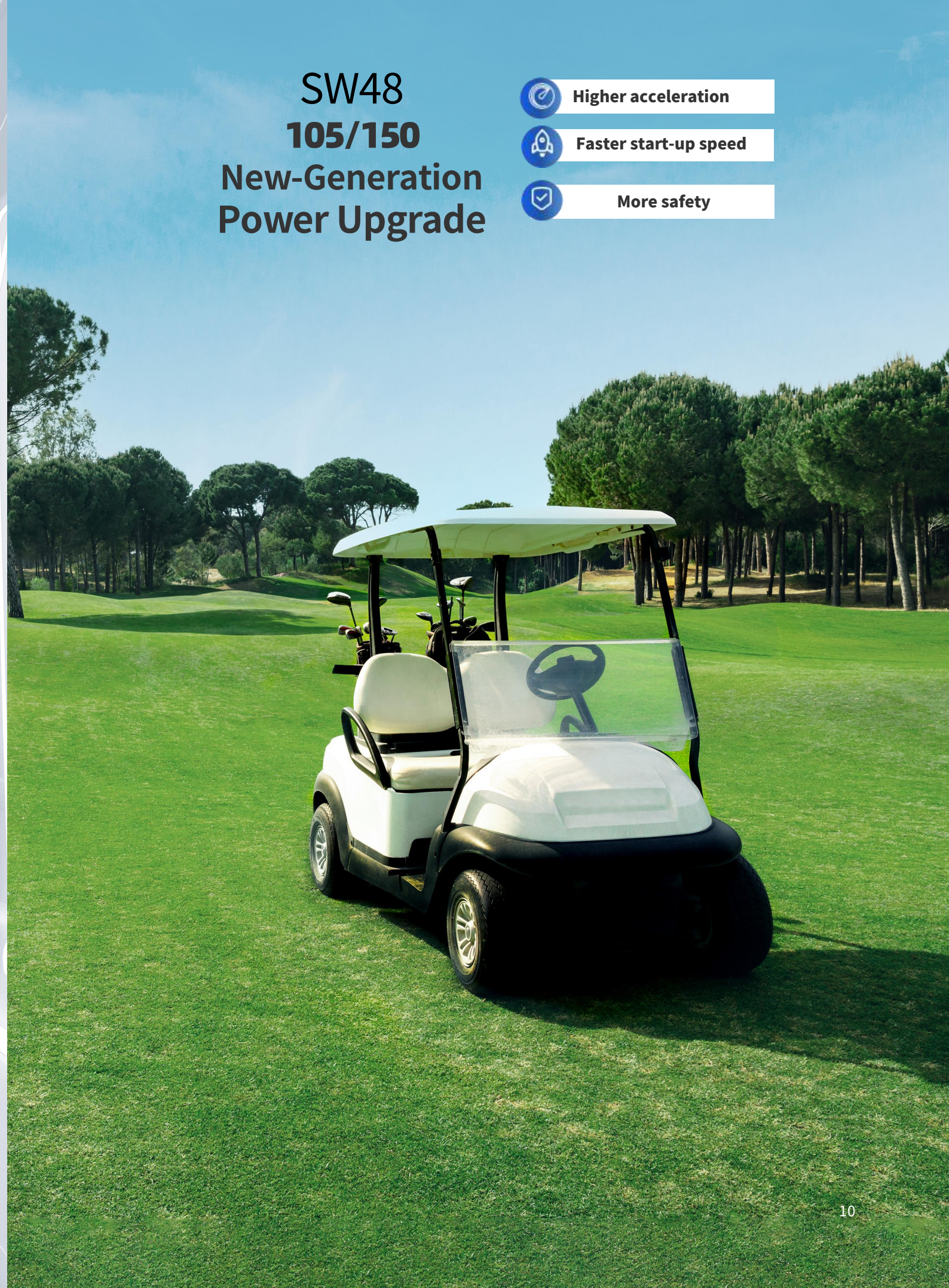
Over
4000
Cycle Life

High
Discharge Current



SW48 105/150 New-Generation Power Upgrade

-  Higher acceleration
-  Faster start-up speed
-  More safety



Superpower Series

More power for demanding riding applications

The SI-SWAY Series batteries offer the advantages of lithium technologies with additional power for load-carrying utility vehicles, multi-seaters, and rugged terrain transport.

Whether you're in the great outdoors hunting or traversing steep hills, the Series provides an extensive range and unparalleled safety, exceeding your expectations.

Zero

Maintenance

Fast

Charge

4000

Cycle Life

5 YRS

Warranty

Integrated
Double Fuses

High

Discharge Current



High Discharge Current

In challenging environments, such as when navigating steep inclines or accelerating with a substantial payload, the battery consistently outperforms, offering reliable performance.



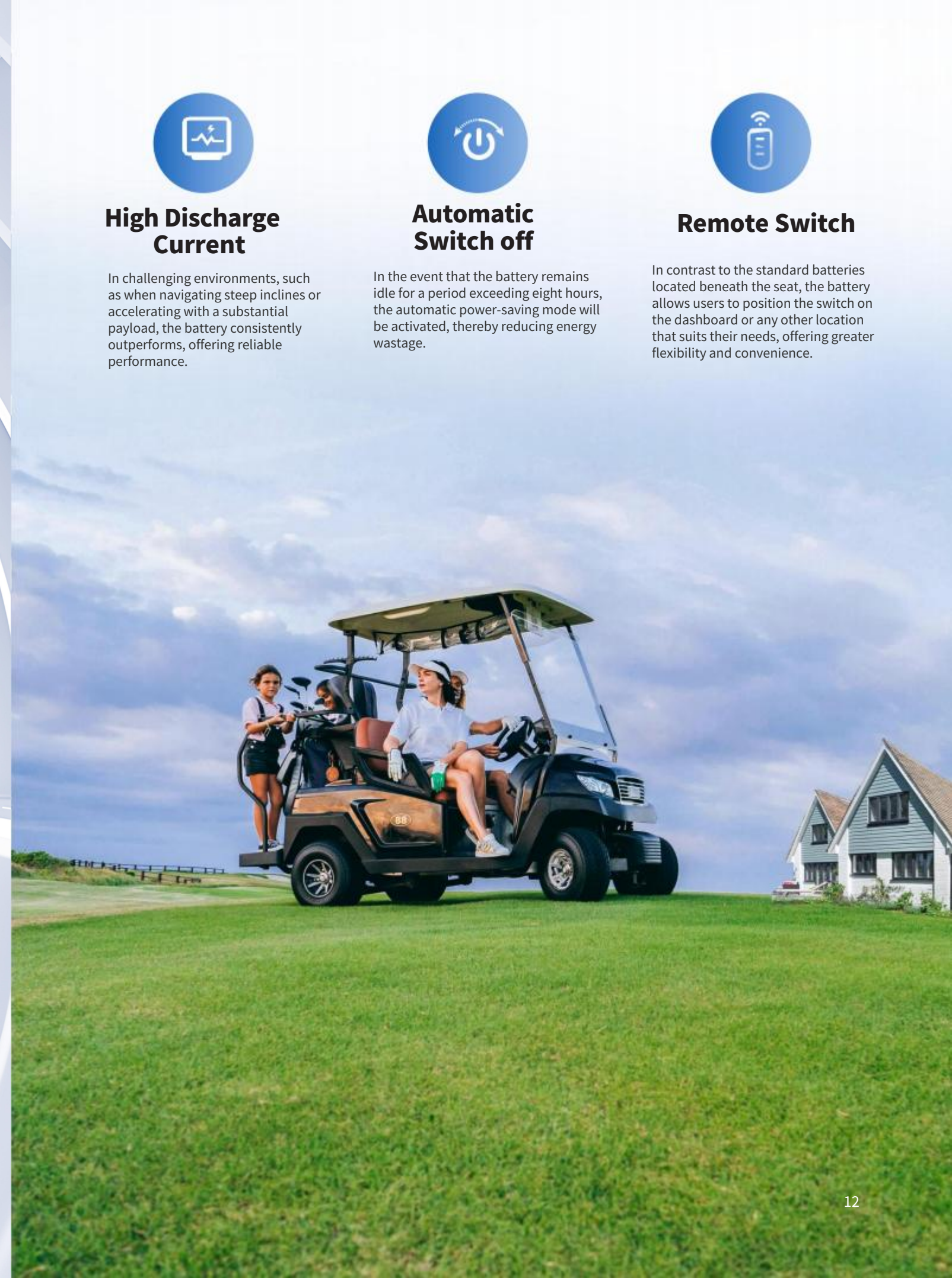
Automatic Switch off

In the event that the battery remains idle for a period exceeding eight hours, the automatic power-saving mode will be activated, thereby reducing energy wastage.



Remote Switch

In contrast to the standard batteries located beneath the seat, the battery allows users to position the switch on the dashboard or any other location that suits their needs, offering greater flexibility and convenience.



Specifications

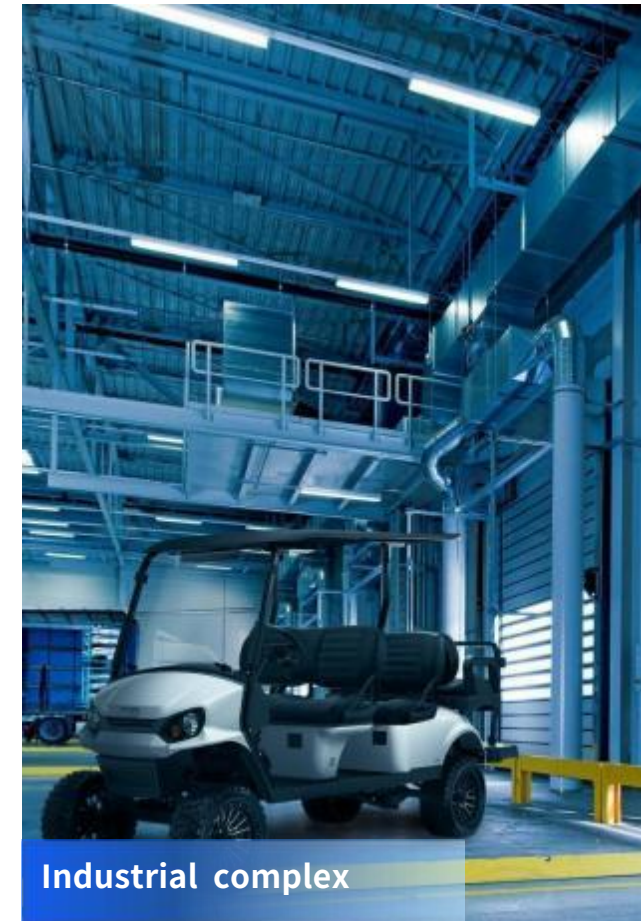
Model	Technical Specifications				Dimensions (L*W*H)	Weight lbs. (kg)	Charge/Discharge Current			General	
	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life			Charge Current	Continuous Discharge	Maximum Discharge	Casing Material	IP Rating
36V System											
SW36100	38.4v	105Ah	4.03 kWh	4000 times	470×300×280(mm)	40 KG	25A	100 A	200A(30 S)	Steel	IP65
SW36210		210Ah	8.06 kWh		670×300×300(mm)	75 KG	50A	200A	400A(30 S)		
48V System											
SW48105	51.2V	105 Ah	5.37 kWh	4000 times	550×320×280 (mm)	50 KG	25A	50 A	100A(30 S)	steel	IP65
SW48150		150 Ah	7.68 kWh		760×300×280(mm)	70 KG	30A	150 A	300A(30 S)		
SW48210		210 Ah	10.75 kWh		895×300×255(mm)	95 KG	50A	210 A	400A(30 S)		
SW48230		230 Ah	11.77 kWh		800×300×300(mm)	105 KG	50A	230 A	400A(30 S)		
SW48280		280 Ah	14.33 kWh		960×320×300(mm)	130 KG	55A	280 A	400A(30 S)		
SW48315		315 Ah	16.12 kWh		1000×300×300(mm)	145 KG	60A	300 A	450A(30 S)		
60V System											
SW60105	64V	105 Ah	6.72 kWh	4000 times	520×340×270(mm)	60 KG	25A	100 A	200A(30 S)	steel	IP65
SW60150		150 Ah	9.60 kWh		707×430×245(mm)	85 KG	30A	150 A	300A(30 S)		
SW60230		230 Ah	14.72 kWh		840×345×270(mm)	130 KG	50A	230 A	400A(30 S)		
72V System											
SW72105	76.8v	105 Ah	8.06 kWh	4000 times	600×300×300(mm)	70 KG	50A	230 A	400 A	steel	IP65
SW72150		150 Ah	11.52 kWh		1000×300×300(mm)	100 KG	30A	150 A	300 A		
SW72173		173 Ah	13.28 kWh		800×420×300(mm)	120 KG	35A	170 A	300 A		
SW72210		73.6v	210 Ah		16.12 kWh	1160×320×300(mm)	145 KG	40A	210 A		
	15.45 kWh			135 KG							
SW72315	76.8v	315 Ah	24.19 kWh	4000 times	A:710×360×275 / B:1160×320×300(mm)	210 KG	60A	300 A	450 A	Steel	IP65
	73.6v	23.18 kWh	A:710×360×275 / B:1160×320×300(mm)		205 KG						
SW72346	76.8V	346 Ah	36.57 kWh	4000 times	800×740×300(mm)	135 KG	70A	300 A	450 A	Steel	IP65
SW72460		460 Ah	35.32 kWh		750×740×500(mm)	310 KG	90A				
SW72520		520 Ah	39.93 kWh		650×740×500(mm)	350 KG	100A				
96V System											
SW96210	96V	210 Ah	20.16 kWh	4000 times	A:710×360×275/ B:1160×320×300(mm)	180 KG	40A	200 A	400 A	Steel	IP65
SW96315		315 Ah	30.24 kWh		A:1160×320×300/ B:1160×320×300(mm)	265 KG	60A	300 A	450 A		
SW96420		420 Ah	40.32 kWh		A:710×360×275/ B:1160×320×300/ C:1160×320×300(mm)	355 KG	80A				
144V System											
SW144280	144V	280 Ah	40.32 kWh	4000 times	1050×800×300(mm)	355 KG	55A	280 A	400 A	Steel	IP65
SW144420		420 Ah	60.48 kWh		A:1000×650×300/ B:1000×800×300(mm)	530 KG	85A	300 A	450 A		
SW144520		520 Ah	74.88 kWh		A:1500×360×300/ B:1500×640×300(mm)	660 KG	100A				

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
 2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
 3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.



Power Solutions for Various Applications

Whether on the course, on campus, moving around a resort or using it as a personal transport vehicle, our SI-SWAY lithium batteries are the ideal solution for your power requirements.



SI-SWAY New Energy is dedicated to the R&D, manufacturing and sales of motive power systems and energy storage systems as one-stop solutions.

SI-SWAY offers a comprehensive range of lithium-ion batteries, with over 15 years of experience in manufacturing renewable energy and battery systems. Our products are suitable for a wide variety of applications, including low-speed vehicles, industrial batteries for material handling equipment, and renewable energy storage systems for residential, commercial, industrial, vehicle-mounted, and marine use. The factory has successfully attained ISO certification for its quality management system, and the company's products have also obtained CE, UL, UN38.3, and MSDS certification in Europe and the United States.

As a leading manufacturer of power lithium batteries, we are committed to creating greater value for our domestic and international customers through the provision of high-quality products and services, and to making a significant contribution to the global renewable energy sector.



R&D and Manufacturing Highlights

As a result of these investments, SI-SWAY is capable of "end-to-end" integrated delivery of our products out-perform the industry norms.

All-round testing.

Integrated design.

Fast response to customer.

CE, UL, UN38.3, MSDS.

QC system.

Persistent technology innovation.

Fully automatic production line.

ISO9001 Factory Quality Management.

Power Battery Product Process Flow Diagram



Upgrading to New Technology, with Our Turnkey Solutions.

With years of dedication to new energy solutions, we are proud to offer customers professional solutions for:

Low-speed Vehicle Batteries including golf carts and sightseeing cars;

Vehicle-Mounted Energy Storage Systems & Batteries including RV and truck energy storage and air conditioning systems, off-grid solar systems for RV, as well as power batteries for electric motorcycles;

Residential Energy Storage Systems & Portable Power Units including home storage and portable energy storage products, as well as off-grid energy storage (for forest cabin, island homes without electricity, etc.);

Industrial Batteries including forklifts, aerial work platforms and floor cleaning machines;

Marine Energy Storage Systems & Batteries including trolling motors, fish finders, other off-grid energy storage systems for marine, and marine power systems;

Commercial & Industrial Energy Storage Systems including diesel generator power micro-grid energy storage systems (for tower cranes, air compressors, mixers, crushers, etc);

Chargers for forklifts, aerial work platforms, floor cleaning machines, golf carts and various marine batteries.



