

It's time to ride in style, **POWERED** all season long!



Zippy Golf Carts Canada

36 V
105Ah
\$ 1695

48 V
105 Ah
\$ 1895

72 V
105 Ah
\$ 2495

Kit Includes:

**Charger
Included**

**5-yr warranty
10 years
design life**

5 hours
fully charged

30-50
miles

5000+
cycle life

10.24 kW
Continuous load
current



Zippy LiFePO4 vs Lead acid

- | | |
|-------------------------|--------------------------|
| ✓ 100% discharge | ✓ 50% Discharge |
| ✓ Low self-discharge | ✓ High self-discharge |
| ✓ 5000+ cycles | ✓ 500 Cycles |
| ✓ Fast charging | ✓ Slow charging |
| ✓ Light on weight | ✓ Heavy weight |
| ✓ Built-in BMS | ✓ NO BMS |
| ✓ 10 Years service life | ✓ 2-3 years service life |

Rolling Soon? We're Here to Help.

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Zippy Golf Carts Canada

Cells

High-Quality Materials. Our batteries are built using premium-grade LiFePO4 battery cells the high-quality cells ensure durability, longevity, and consistent performance. EVE cell and New cells with original QR code



Robust Construction

Our battery production process employs advanced construction techniques. This includes compact battery packaging, precise cell connections, and a sturdy outer casing design. These features not only enhance the battery's stability and safety but also minimize its size and weight, maximizing space and efficiency.



Laser Welding

The connection between of cells was by laser soldering to ensure the cells was not shaken and disconnected during marine/boats running.

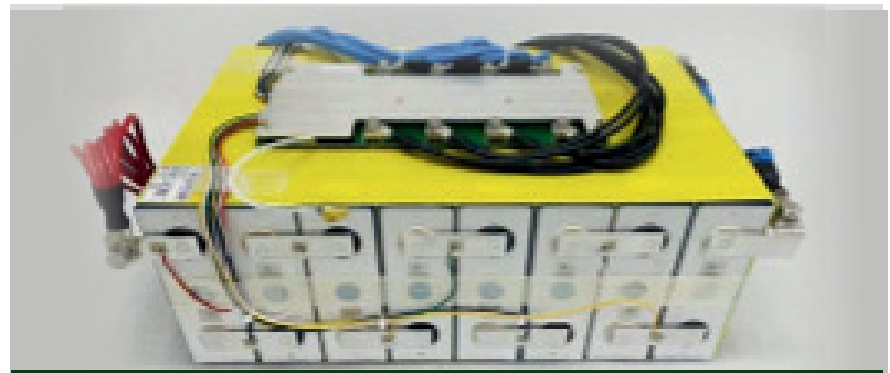
By leaving gaps between batteries, we allow room for thermal expansion without causing excessive pressure or mechanical stress on the battery cells. This helps to prevent damage to the batteries and ensures their long-term performance and lifespan.

1.
2.



BMS Installation

1. Using epoxy plate isolation between the Battery
2. Management System (BMS) and the battery pack provides an
3. additional layer of safety.
4. the Positive and Negative between BMS was connected by Soft silicone wires to bear high current during use. the BMS can be easy to remove from battery pack ,as we connected them by screws, in order to fix them we also smeared glue on each screws. The sensor cables from bms to cells was soldered tightly and fixed well.



BMS Function

Safety as a Priority: Our battery pack is equipped with a state-of-the-art Smart Battery Management System (BMS). This intelligent system offers comprehensive protection against overcharging, over-discharging, over-current, short circuits, and over-temperature conditions. Additionally, it incorporates a balance function to optimize cell performance and ensure long-term reliability.



Stainless Steel Case

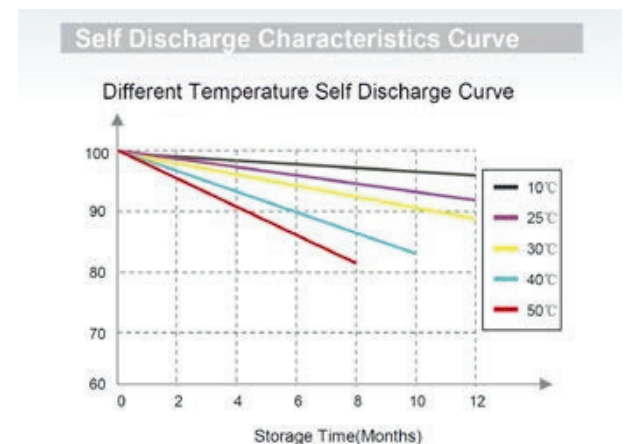
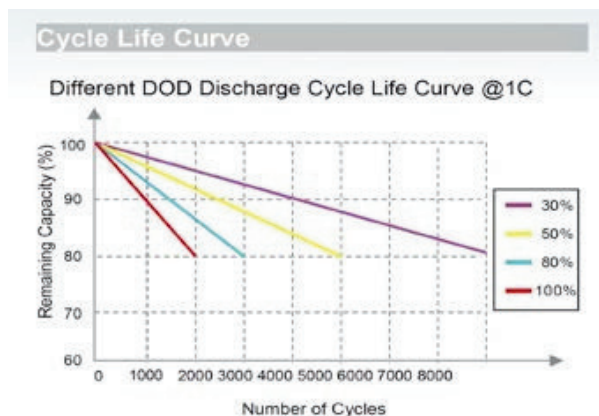
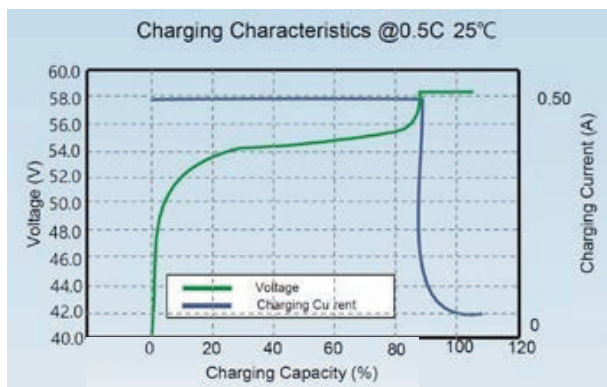
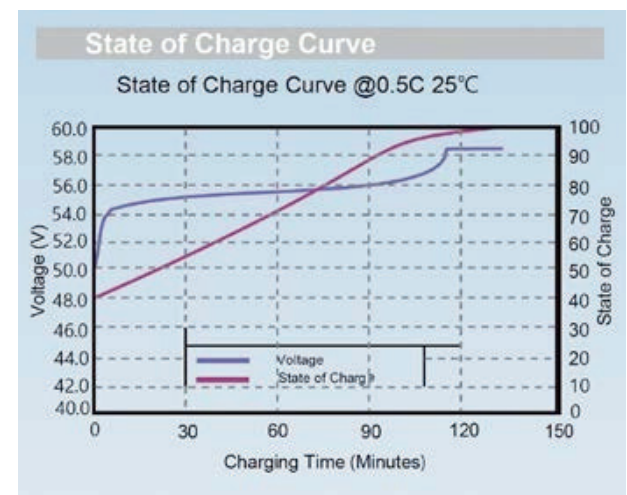
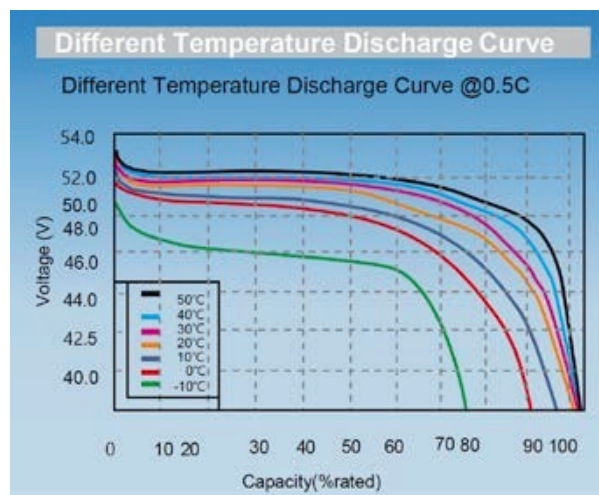
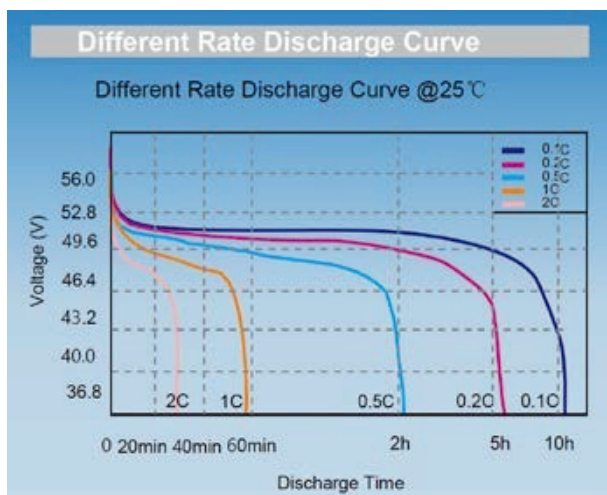
Stainless steel is a popular choice for rust-resistant casings due to its high resistance to corrosion. It is durable, long-lasting, and can withstand harsh environmental conditions. Stainless steel casings offer excellent protection for the battery pack while maintaining an aesthetically pleasing appearance.



SPECIFICATIONS

	36V 105Ah	48V105Ah	72V105Ah
Nominal Battery Voltage (V)	38.4	51.2	76.8
Nominal Battery Capacity (Ah)	105	105	105
Minimum Battery Capacity (Ah)	103	103	103
Nominal Battery Energy Capacity (Wh)	4032	5376	8064
Cell Specification	EVE LF105	EVE LF105	EVE LF105
Cell Configuration	12S1P	16S1P	24S1P
Cycle Life	3000 cycles at 90% DOD, at 25°C / 0.5C current 5000 cycles at 80% DOD, at 25°C / 0.5C current	3000 cycles at 90% DOD, at 25°C/ 0.5C current 5000 cycles at 80% DOD, at 25°C / 0.5C current	3000 cycles at 90% DOD, at 25°C/ 0.5C current 5000 cycles at 80% DOD, at 25°C/ 0.5C current
Battery Management System (BMS)	Built-in and integrated	Built-in and integrated	Built-in and integrated
Charge Voltage (V)	43.2 - 43.8	57.6 - 58.4	86.4 - 87.6
Charge Balancing	Passive, 50 - 80mA	Passive, 50 - 80mA	Passive, 50 - 80mA
Max Charge Current (A)	150 in 30 seconds	150 in 30 seconds	150 in 30 seconds
Recommended Charge Current (A)	20 - 30	20 - 30	20 - 30
Reverse Polarity Protection	Applicable	Applicable	Applicable
Discharge Cut-off Voltage (V)	33.6 (2.8/cell)	44.8 (2.8/cell)	67.2 (2.8/cell)
Continuous Discharge Current (A)	200 (10%~100% SOC)	200 (10%~100% SOC)	200 (10%~100% SOC)
Max Discharge Current (A)	250 in 3 minutes	250 in 3 minutes	250 in 3 minutes
Pulse Discharge Current (A) External Short	300 in 30 seconds 350 in 6 seconds	300 in 30 seconds 350 in 6 seconds	300 in 30 seconds 350 in 6 seconds
Circuit Operating Temperature	Prohibition	Prohibition	Prohibition
Charge (°C)	0 - 50°C (charge will be closed by BMS at <-5°C, or >55°C)	0 - 50°C (charge will be closed by BMS at <-5°C, or >55°C)	0 - 50°C (charge will be closed by BMS at <-5°C, or >55°C)
Low Temperature Charging	Prohibition	Prohibition	Prohibition
Operating Temperature Discharge (°C)	-20 - 60°C (discharge will be closed by BMS at <-25°C, or >65°C)	-20 - 60°C (discharge will be closed by BMS at <-25°C, or >65°C)	-20 - 60°C (discharge will be closed by BMS at <-25°C, or >65°C)
Storage Temperature (°C)	-20 - 35°C with 50% - 70% SOC	-20 - 35°C with 50% - 70% SOC	-20 - 35°C with 50% - 70% SOC
Humidity (non-condensing)	10% - 90%	10% - 90%	10% - 90%
Battery Terminals	Threaded Insert - M8 Torque: 8-10 Nm	Threaded Insert - M8 Torque: 8-10 Nm	Threaded Insert - M8 Torque: 8-10 Nm
Battery Box Material	Powder coated iron case	Powder coated iron case	Powder coated iron case
Cooling	Natural convection	Natural convection	Natural convection
Battery Outer Dimensions (L x W x H)	457 x 326 x 261.5 mm 18.0 x 12.9 x 10.3 inch	540 x 326 x 261.5 mm 21.3 x 12.9 x 10.3 inch	706 x 326 x 261.5 mm 27.8 x 12.9 x 10.3 inch
Weight	38.2 kg / 84.2 lb	52 kg / 114.6 lb	76 kg / 167.6 lb
Series Connection	Prohibition	Prohibition	Prohibition
DC Switch	Available to shut down battery in long-term storage	Available to shut down battery in long-term storage	Available to shut down battery in long-term storage
BMS Power Consumption	5mA in stand-by dormant 1mA in deep dormant	5mA in stand-by dormant 1mA in deep dormant	5mA in stand-by dormant 1mA in deep dormant
Applications	Golf cart, ATV, UTV, light electric vehicles	Golf cart, ATV, UTV, light electric vehicles	Golf cart, ATV, UTV, light electric vehicles

PERFORMANCE CHARACTERISTICS



MSDS UN38.3 CE  

36V 105Ah



48V 105Ah



72V 105Ah



5000 TIMES DEEP CYCLE
THE BEST REPLACEMENT
OF LEAD-ACID BATTERY
AND LITHIUM BATTERY

THE CELLS OF OURS
IS SAME TO
BOLT ENERGY, ROYPOW & ECO'S
BUT PRICE IS ONLY 1/3.

LIFEPO4
Golf Battery

LIFEPO4

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