



USERS MANUAL

Golf Cart Lithium Battery



WARRANTY INFO:

Serial number _____

Purchase date _____

Welcome to Roypow Products

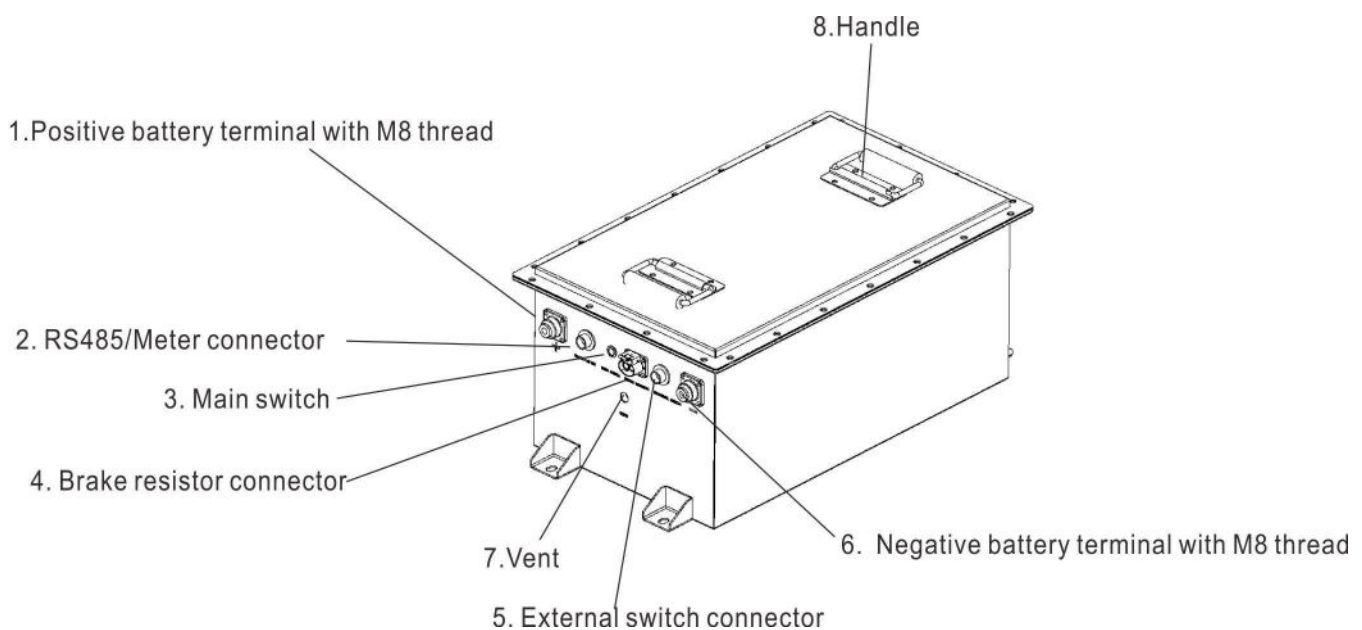
At Roypow we provide golf cart battery that is safe and reliable. Our golf cart lithium battery packs are designed with integrated golf cart battery system, the batteries are used in replacing the lead-acid battery, which are available for drop-in replacement for the golf carts nicely.

Please read the user manual carefully before using the product and always take care when using this product. This product is not intended for use by young or infirm persons without supervision.

OVERVIEW

The batteries are equipped with an integrated cell management system which features:

- Cell balancing
- Battery voltage monitoring
- Battery current monitoring
- Pre warning when battery capacity less than 20% (communication by means of RS485)
- Battery temperature monitoring (integrated temperature sensor)



Note: Press the "MAIN SWITCH" button/external switch to turn on the battery, green light indicates power on.

Press and hold the "MAIN SWITCH" button/external switch for 3 seconds to turn off the battery.

DELIVERY CONTENTS



Connection: Install the Meter and External switch

1 Install the Meter and External switch in a suitable position on the dash of the golf cart

2 Connect the Meter cable and External switch to the corresponding connector on the battery

Battery replacement



01

Open the golf cart compartment, you will see the original lead-acid batteries.

02

Disconnect all the wires safely, and pull the batteries out.

03

Fasten the bracket in the compartment as the base

05

Connect the wires safely, then you are ready to go.

04

Put the pack inside and fasten the pack to the bracket base



Install the brake resistor



Brake Resistor



The Brake Resistor provides improved safety and control in downhill conditions by maintaining safe speeds and protecting the health of the battery system.

The Brake Resistor will be hot after going downhill or frequent braking, in order to avoid melting plastic or scalding passengers, please fix the Brake Resistor on the metal frame at the bottom of the golf cart.

Installation Precautions:

1. The resistor is required to be far away from combustible materials and cannot be directly installed in the battery compartment of the plastic tray.
2. Avoid being directly touched by people to avoid burns.

Specification

Model		S51105P	S51160P	S72105P
Technical Parameter	Nominal voltage	51V	51V	76V
	Nominal capacity	105Ah	160Ah	105Ah
	Stored energy	5.3kWh	8.2kWh	8.06kWh
	Life cycles	>3500 times	>3500 times	>3500 times
	Self discharge	Max 3% per month	Max 3% per month	Max 3% per month
Charge current	Maximum charge	105A	160A	105A
	Standard charge	22A	22A	14A
Charging time	Standard charge	5h	8h	8h
Discharge current	Continuous discharge	105A	160A	105A
	Maximum discharge	315A	315A	315A
	Over Current protection	315A with 30S	315A with 30S	315A with 30S
Environment	Charge temperature range	-4°F~131°F (-20°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)
	Discharge temperature range	-4°F~131°F (-20°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)
	Storage temperature range	-4°F~113°F (1 month) (-20°C~45°C) 32°F~95°F (1 year) (0°C~35°C)	-4°F~113°F (1 month) (-20°C~45°C) 32°F~95°F (1 year) (0°C~35°C)	-4°F~113°F (1 month) (-20°C~45°C) 32°F~95°F (1 year) (0°C~35°C)
General	Cell combination	16S1P	16S2P	24S1P
	Cell assembly	LF105 (3.2V 105Ah)	LF80A (3.2V 80Ah)	LF105 (3.2V 105Ah)
	Casing material	Stainless steel	Stainless steel	Stainless steel
	Weight	103 lbs (46.8 kg)	165 lbs (75 kg)	159 lbs (72 kg)
	Dimension (L*W*H)	23*13*10" (58.5*33*25cm)	31.5*12.6*9.2" (80*32*23.2cm)	29*12.6*9.7" (74*32*24.6cm)
	IP rate	IP67	IP67	IP67