



USERS MANUAL

Golf Cart Lithium Battery



WARRANTY INFO:

Serial number _____

Purchase date _____

Welcome to Roypow Products

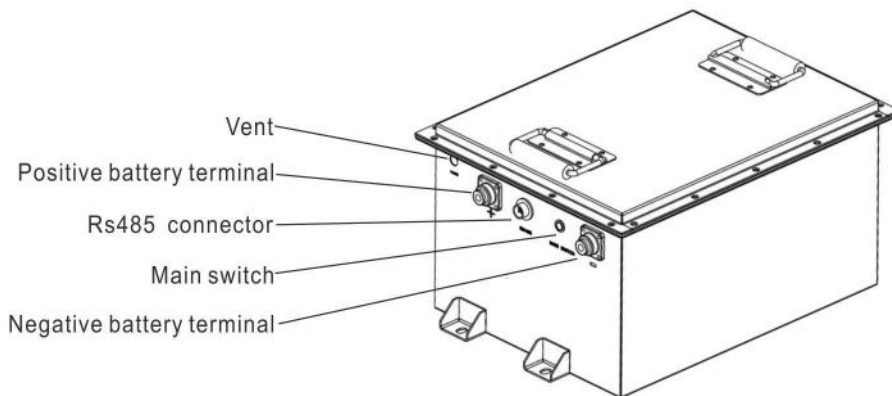
At Roypow we provide golf cart battery that is safe and reliable. Our golf cart lithium battery packs are designed with integrated golf cart battery system, the batteries are used in replacing the lead-acid battery, which are available for drop-in replacement for golf carts nicely.

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 and hold the "MAIN SWITCH" button for 3 seconds to turn on/off the battery, green light indicates power on.

DELIVERY CONTENTS



Battery replacement steps

Different models require different mounted brackets



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



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 trunk 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



Note: only authorized personnel is allowed to operate or make adjustments to the battery.

Specification

Model		S38105	S5156	S51105	S51160
Technical Parameter	Nominal voltage	38V	51V	51V	51V
	Nominal capacity	105Ah	56Ah	105Ah	160Ah
	Stored energy	4kWh	2.8kWh	5.3kWh	8.1kWh
	Life cycles	>3500 times	>3500 times	>3500 times	>3500 times
	Self discharge	Max 3% per month	Max 3% per month	Max 3% per month	Max 3% per month
Charge current	Maximum charge	105A	56A	105A	160A
	Standard charge	22A	22A	22A	22A
Charging time	Standard charge	5 h	2.5 h	5h	8h
Discharge current	Continuous discharge	105A	56A	105A	160A
	Maximum discharge	200A	200A	200A	200A
	Over Current Detection	200A with 10S	200A with 10S	200A with 10S	200A with 10S
Environment	Charge temperature range	32°F~131°F (0°C ~ 55°C)	32°F~131°F (0°C ~ 55°C)	32°F~131°F (0°C ~ 55°C)	32°F~131°F (0°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)	-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)	-4°F~113°F (1 month) (-20°C~45°C) 32°F~95°F (1 year) (0°C~35°C)
General	Cell combination	1P12S	1P16S	1P16S	16S2P
	Cell assembly	LF105 (3.2V 105Ah)	LF56 (3.2V 56Ah)	LF105 (3.2V 105Ah)	LF80 (3.2V 80Ah)
	Casing material	Stainless steel	Stainless steel	Stainless steel	Stainless steel
	Weight	77 lbs (35kg)	73 lbs (33.1 kg)	95.2 lbs (43.2 kg)	159 lbs (72 kg)
	Dimension (L*W*H)	36.3*33.8*23.2cm	46*32.6*24.3cm	46*32.6*24.3cm	80*31.8*21.2cm
	IP rate	IP67	IP67	IP67	IP67