

S SERIES

RoyPow®
Get powered. Get inspired

Perform Better, Cost Less!

Our **LiFePO4** batteries are designed to replace the lead-acid batteries.

They can deliver the sort of hassle-free experience customers increasingly demand-batteries that are:

- longer **lasting**, longer **range**
- **free** from daily **maintenance**
- **10 years** designed **life-span**
- **high** charging **efficiency**, **less** power **consumption**



Lead-Acid Battery Comparison

■■■ **200%** ■■■
LONGER POWER

■■■ **10X** ■■■
EXTENDED LIFE, UP TO 10 YRS

■■■ **60%** ■■■
LIGHTER WEIGHT

■■■ **6X** ■■■
FASTER CHARGE

■■■ **5 YRS** ■■■
WARRANTY

■■■ **0** ■■■
MAINTENANCE

Basic Specification

36V/48V/72V
Nominal Voltage

UP TO 8.2KWH
Stored Energy

56AH/105AH/160AH
Nominal Capacity

UP TO 2.5 HRS
Fast Charge Time

UP TO 70 MILES
Mileage, Full Charge

Our Battery Packs Are Available In Multiple Golf Cart Models:

All information and specifications are subject to change without notice.



POWER

RoyPow®
Get powered. Get inspired.

Champion In Golf

More Runtime And Mileage On A Single Charge

UP TO
70 MILES
RANGE

UP TO
10 YEARS
BATTERY LIFE

UP TO
3500 LIFE
CYCLES

UP TO
2.5 HOURS
FAST CHARGE

LiFePO4
GOLF CART BATTERY



All pictures shown are for reference only and data is based on RoyPow standard test procedures. Actual performance may vary according to local conditions.

Affordable Price
Zero Maintenance

Drop-In Replacement
For Lead-Acid Batteries



Lithium battery solutions

LiFePO4 BATTERY FOR GOLF CARTS

DROP-IN REPLACEMENTS
FOR LEAD-ACID BATTERIES



Why Choose A LiFePO4 Battery



REPLACEMENT



BENEFITS OF LiFePO4 BATTERY



LOW SELF-DISCHARGE

Holds charge about 8 months



ULTRA SAFE

Multiple protection, thermal and chemical stability



LONG LIFE

Up to 3,500 life cycles



LIGHT WEIGHT

Up to 50% saving in space and 70% saving in weight



FAST CHARGING

Up to 2.5 hrs fast charging time



ZERO MAINTENANCE

No daily maintenance work and costs



COST EFFECTIVE

Up to 70% saving in expenditures



EXTREME TEMP. PERFORMANCE

Discharge rate up to 85% at -4°F(-20°C)

S SERIES

The Right Choice for Your Golf Cart Fleet

ZERO
MAINTENANCE

UP TO
10YRS
BATTERY LIFE

5YRS
WARRANTY

UP TO
70MI.
MILEAGE



Our LiFePO4 batteries are designed to replace the lead-acid batteries. They can deliver the sort of hassle-free experience customers increasingly demand – batteries that are longer lasting, longer range, free from daily maintenance and have a designed life-span of 10 years. They also offer high charging efficiency and less power consumption.

TECHNICAL SPECIFICATION

CHARGE CURRENT

DISCHARGE CURRENT

MODEL	NOMINAL VOLTAGE	NOMINAL CAPACITY	STORED ENERGY (Wh/kg)	DIMENSION (L*W*H)cm	WEIGHT lbs.(kg)	TYPICAL MILEAGE PER FULL CHARGE	STANDARD CHARGE	STANDARD DISCHARGE	MAXIMUM DISCHARGE
36V									
S3856	38V	56Ah	1.92kWh	38.5*33.8*24.5	59 (27)	Up to 15-20 miles	22A	50A	200A (10S)
S38105	38V	105Ah	4.03kWh	38.5*33.8*24.5	75 (34)	Up to 30-40 miles	22A	100A	200A (10S)
48V									
S5156	51V	56Ah	2.6kWh	46*33.4*23.2	77 (35)	Up to 20-30 miles	22A	50A	200A (10S)
S51105	51V	105Ah	5.3kWh	46*33.4*23.2	96 (43.6)	Up to 40-50 miles	22A	100A	200A (10S)
S51105P	51V	105Ah	5.3kWh	58.5*33*25	103 (46.8)	Up to 40-50 miles	22A	105A	315A (30S)
S51160	51V	160Ah	8.2kWh	80*36*22.1	159 (72)	Up to 60-70 miles	22A	100A	200A (10S)
S51160P	51V	160Ah	8.2kWh	80*32*23.2	165 (75)	Up to 60-70 miles	22A	160A	315A (30S)
72V									
S72105P	72V	105Ah	8.06kWh	74*32*24.6	159 (72)	Up to 60-70 miles	14A	105A	315A (30S)

Note: 1. Only authorized personnel are allowed to operate or make adjustments to the batteries.

2. Data are based on RoyPow standard test procedures. Actual performance may vary according to local conditions.

Affordable, Durable, Reliable



SAVE MONEY AND STAFF TIME

You don't need to pay man-hours costs of regular water filling, maintenance, checks, and expensive recycling costs. No battery acid stains on driveway pavers or garage floor.



MORE RUNTIME, MORE MILEAGE

Top class performance delivers battery with no memory, you can charge any time, and with a full charge time, you can run longer and up to 70 miles mileage.



FAST CHARGING AND STABLE OPERATION

More thermal and chemical stability and multiple built-in protection functions make this battery reliable and stable with enjoying faster charging time.

UP TO
8.2
KWH

2.5HRS
FAST CHARGING

UP TO
315
AMP

OVER
3500
LIFE CYCLES

The "S series" covers the most popular golf cart brands and models. If this doesn't fit your requirements, with our wide product range, advanced technology and continuous R&D, we will be happy to discuss alternative solutions or bespoke engineered options.

CHARGING TIME

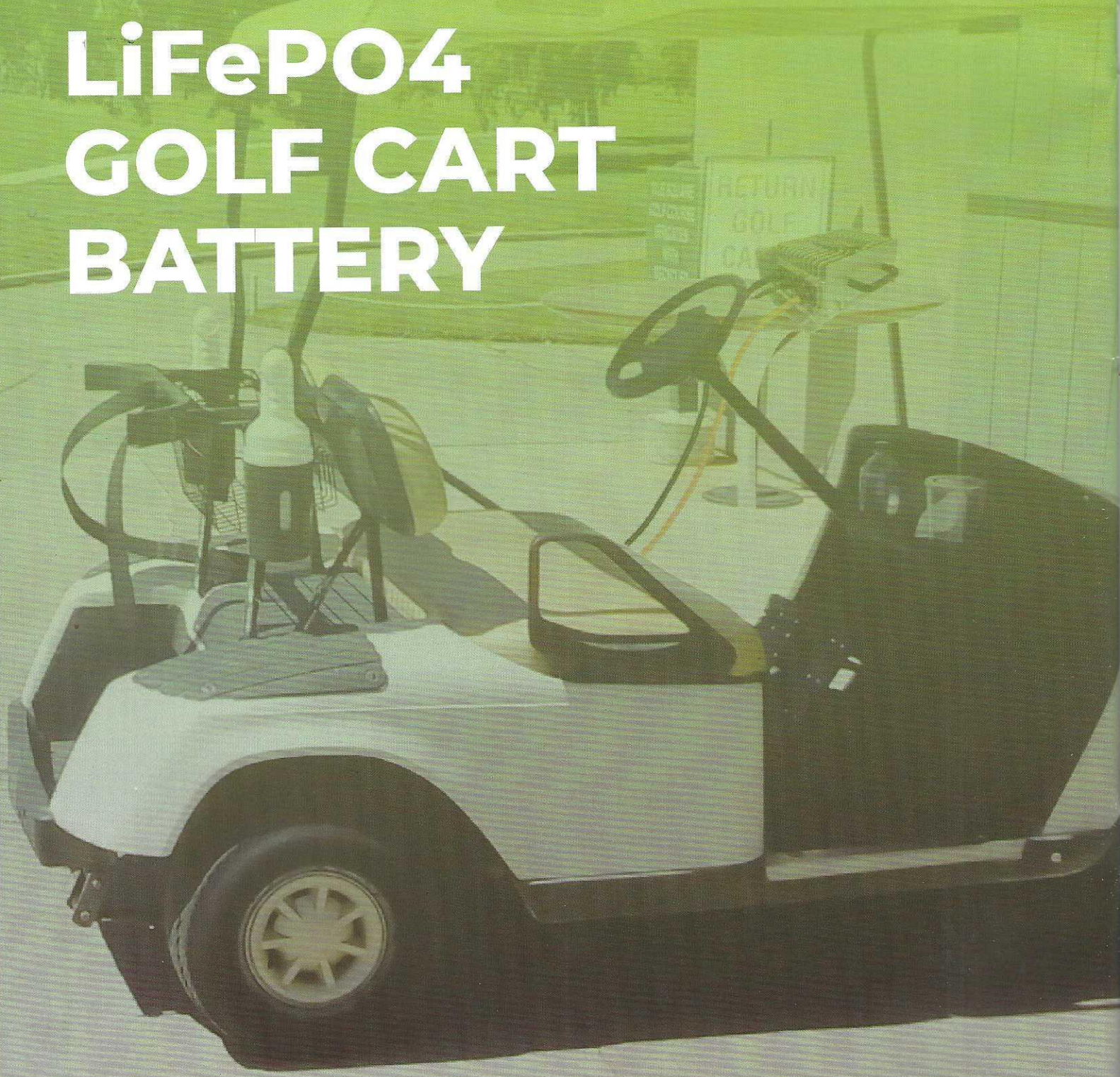
GENERAL

ENVIRONMENT TEMP. RANGE

CHARGING TIME		GENERAL						ENVIRONMENT TEMP. RANGE			
QUICK CHARGE	STANDARD CHARGE	LIFE CYCLES	SELF DISCHARGE PER MONTH	CELL COMBINATION	CELL ASSEMBLY	CASING MATERIAL	IP RATING	CHARGE	DISCHARGE	STORAGE (1 MONTH)	STORAGE (1 YEAR)
2.0h	2.5h	> 3500 times	Max 3%	12S1P	LF50K (3.2V 50Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
2.0h	5.0h	> 3500 times	Max 3%	12S1P	LF105 (3.2V 50Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
2.0h	2.5h	> 3500 times	Max 3%	16S1P	LF50K (3.2V 50Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
2.5h	5.0h	> 3500 times	Max 3%	16S1P	LF105 (3.2V 105Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
2.0h	5.0h	> 3500 times	Max 3%	16S1P	LF105 (3.2V 105Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
3.0h	8.0h	> 3500 times	Max 3%	16S2P	LF80A (3.2V 82Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
3.0h	8.0h	> 3500 times	Max 3%	16S2P	LF80A (3.2V 82Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)
2.5h	8.0h	> 3500 times	Max 3%	24S1P	LF105 (3.2V 105Ah)	Metal	IP67	32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	-4°F~113°F (-20°C ~ 45°C)	-32°F~95°F (0°C ~ 35°C)

Accessory - Charger

**IT IS DESIGNED
FOR OUR
LiFePO4
GOLF CART
BATTERY**





HIGH EFFICIENCY

Fast charging reaches up to 30A output current, high-efficiency performance for electricity savings and shorter charge times. Active cooling enables optimal peak performance.



GLOBAL USED

Capable of operating reliably on any single-phase grid worldwide.



HIGH RELIABILITY

Manufactured in a world-class facility specializing in high-reliability solutions. Rugged, IP66 sealed aluminum die-cast enclosure protects against vibration, shock, dirt, fluids and chemicals.



INTELLIGENT

Compact, light, automatic trickle charge function. Automatically charges batteries and keeps them at full charge even when you're away from your home/work so they never die and can give your batteries longer overall life.

Product Specification

DC OUTPUT	MAXIMUM DC OUTPUT VOLTAGE	58.2V
	MAXIMUM DC OUTPUT CURRENT	22.0A
	MAXIMUM DC OUTPUT POWER	1704W
	NOMINAL DC OUTPUT CURRENT	"30A @ 220VAC 22A @ 110VAC"
AC INPUT	BATTERY TYPE	Lithium
	AC INPUT VOLTAGE RANGE	85-270VAC
	NOMINAL AC INPUT VOLTAGE	100-240VAC
	NOMINAL AC INPUT FREQUENCY	50 / 60Hz
	MAXIMUM AC INPUT CURRENT	11A
	NOMINAL AC INPUT CURRENT	10A
	POWER FACTOR	>0.9
MECHANICAL	DIMENSIONS	28.2 x 16.7 x 11.4cm (11.1 x 6.57 x 4.5")
	WEIGHT	10.4 lbs (4.7kg)
	COOLING	Active cooling with fan
ENVIRONMENTAL	ENCLOSURE	IP66
	HUMIDITY	5% — 95%
	OPERATING TEMPERATURE	"-40°F to 149°F (-40°C to +65°C) Derated at >104°F (40°C)"
	STORAGE TEMPERATURE	-40°F to 185°F (-40°C to +85°C)

Note: Data are based on RoyPow standard test procedures. Actual performance may vary according to local conditions.