

RoyPow

Get powered. Get inspired

LiFePO4 Golf Cart Battery - S series

S series products are lithium-ion battery packs with integrated golf cart battery system.

They are designed to replace the lead-acid battery, which are available for drop-in replacement in the Club Car and EZ-GO etc. vehicles nicely.



Maintenance free

Free from daily managing
No waterfilling, on terminal
tightening and cleaning
of acid deposits like
lead-acid batteries



Longer Lasting, Longer Range

To run all day without
battery swaps



Small in size Big on power

More power with longer life

Up to 2.5 hr

Quick Charging Time

10 Years

Battery Life

Up to 70 Miles

Mileage

>3500 Times

Cycle Life

Now Available In Store Only

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LiFePO4 Golf Cart Battery - S series Product Specifications



	S38105 38V/105AH	S51105 51V/105AH	S51160 51V/160AH
Technical Specifications			
Nominal voltage	38V	51V	51V
Nominal capacity	105Ah	105Ah	160Ah
Stored energy	4.03kWh	5.3kWh	8.2kWh
Life cycles	>3500 times	>3500 times	>3500 times
Self discharge	Max 3% per month	Max 3% per month	Max 3% per month
Mileage	45-50 miles/full charging	60-65 miles/full charging	95-100 miles/full charging
Maximum charge current	105A	105A	160A
Maximum discharge current	200A	200A	200A
Quick charging time	Up to 2.5 hrs	Up to 2.5 hrs	Up to 2.5 hrs
Standard charging time	4.5 h	4.5 h	7.0 h
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)
Discharge temperature range	-4°F~-113°F (-20°C ~ 55°C)	-4°F~-113°F (-20°C ~ 55°C)	-4°F~-113°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 Specifications			
Cell combination	12S1P	16S1P	16S2P
Cell assembly	LF105 (3.2V 105Ah)	LF105 (3.2V 105Ah)	LF80 (3.2V 80Ah)
Casing material	Cold rolled steel	Cold rolled steel	Cold rolled steel
Weight	77 lbs (35 kg)	95.2 lbs (43.2 kg)	159 lbs (72 kg)
Dimension (L*W*H)	36.3*33.8*23.2cm	46*33.4*23.2cm	80*31.8*21.2cm
IP rate	IP67	IP67	IP67

Five Year Cost Comparison Between Roy Pow & Lead Acid Batteries

	Year 1	Year 2	Year 3	Year 4	Year 5
 \$ Cost Of Battery	\$\$\$\$				
 Installation	\$				
 Maintenance					
 Maintenance					
 Maintenance					
 Battery Change					
Total					\$\$\$\$\$\$
	\$	\$	\$	\$	\$
Total					\$\$\$\$\$\$\$\$

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