

INFORMATION BULLETIN

Release of the CUSTOM Lithium ion Batteries EFFECTIVE JANUARY 2022

INTRODUCTION

Lithium ion versus traditional Gel batteries

A complex rehab power wheelchair requires:

- 2 x 12 V, deep cycle, Gel Group 22NF/Group 24 batteries
- OR
- 1 x 24 V Lithium battery pack.

Lithium Battery Pack



Gel Battery Pack



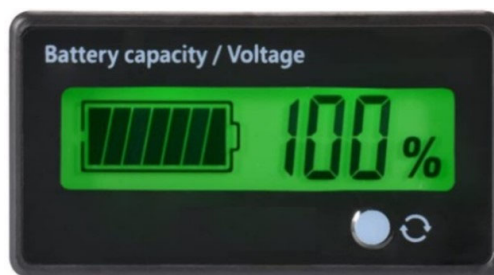
Total weight: 54 Ah = 33.75 lb
 39.25 lb lighter than Gel batteries
 78 Ah = 46.75 lb
 61.25 lb lighter than Gel batteries

Gr 22 (50 Ah) = 73 lb
 Gr 24 (70 Ah) = 108 lb

CUSTOM LITHIUM ION BATTERIES (cont'd)

FEATURES OF THE LITHIUM BATTERY PACK

- Lithium batteries last 3 to 4 times longer than traditional Gel batteries
- Comes with a charger specifically optimized for our Lithium batteries.
- Comes with a LED charging gauge that shows the battery capacity/voltage.
- Our Lithium batteries meet UN 38.3 requirements for aircraft travel.
- The Lithium battery is one 24 V “battery pack” encapsulated in a powder-coated steel housing instead of two separate batteries.
- Lithium batteries are much more efficient and take a fuller charge than traditional Gel batteries for better range.
- The Lithium battery pack plugs in with one plug, same as the current version, therefore there is no need for battery tray modifications.
- Huge benefit in the overall weight of a wheelchair giving access to more lifts and elevators.
- The operating temperatures range of our Lithium battery is -4°F to 149°F (-20°C to 65°C).



User's Guide available

AVAILABILITY AND PRICING FOR CUSTOM LITHIUM BATTERIES

It is required to choose 1 type of battery + charger and display

Order number	Description	Pricing
CUST-76807-04	CUSTOM 8A Offboard Battery Charger for Lithium ion batteries	View Alltrack order forms (custom section) for details on retail pricing. RFQ required.
CUST-76807-06	CUSTOM Lithium ion - 54 Amps (represents one 24V Battery pack, equivalent to two Group 22 Batteries) - (L7367)	
CUST-76807-07	CUSTOM Lithium ion - 78 Amps (represents one 24V Battery pack, equivalent to two Group 24 Batteries) - (L7367)	
CUST-76807-05	CUSTOM Charging Display for Lithium ion Batteries	

Note: Lithium ion batteries are not compatible with the **N2221** and **N2424** narrow base options (FS2221B and FS2424B), and the **Alltrack HD3** power wheelchair.