

## LITHIUM SERIES

# LiFe700 - 14 and 24 VDC Dual Voltage Block Battery

A Dual Voltage Lithium Iron Phosphate (LiFePO4) block designed for cinematic production applications where two different voltages are required simultaneously; or applications requiring voltage regulation to less than 28VDC. The LiFe700 provides a modular 700Whr LiFePO4 block that is easily maintained, convenient to transport and light weight.

**Ground Transport ONLY!**  
with battery packs installed

See reverse side to remove battery packs

## LiFe700 Features

### 1 Output Connector Types:

Two connectors @ nominal 24 Volt (~28-20VDC)  
Two connectors @ regulated 13.8 Volt (~13.8VDC)

Volts	Connector Type
24V	3-Pin XLR, Arri Standard (Pin 1 Gnd, Pin 2 Bat +)
13.8V	4-Pin XLR, (Pin 1 Gnd, Pin 4 Bat +)

**Note:** All output connectors are disconnected during charge and when battery is empty.

### 2 ON/OFF Switch:

Switch **MUST** be turned **ON** (up) to power output plugs.

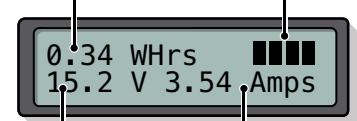
**Important:** **DO NOT** leave an idle block battery with the power switch turned **ON** or it will drain the battery over time.

### 3 Power Metering:

LCD Screen (Press battery check button to show power status)

#### Normal Discharge LCD Display:

Hours of output power used    Amount of output power remaining



Voltage output at battery

Amount of current being drawn by output device



Press button to check power information

### Battery Check

### 4 Fuses:

Output Power Fuses (15 amp)

### 5 Reset Switch:

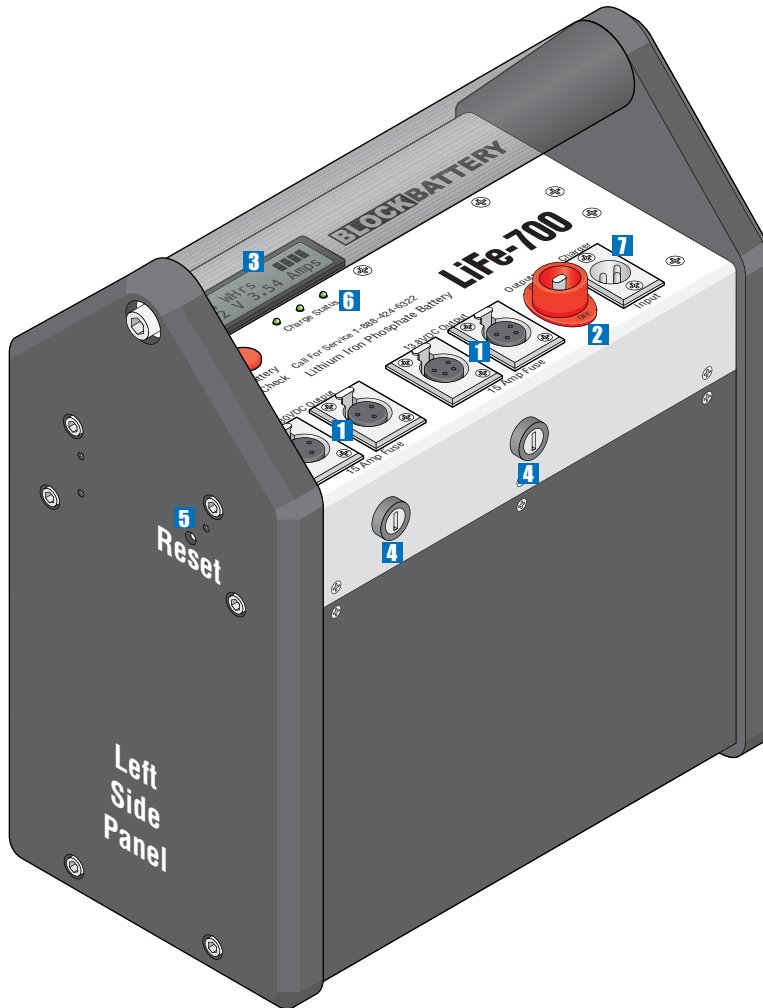
Push to reset battery.

### 6 Charge Status LEDs:

Shows power status and errors during charging

### 7 Charge Connector:

Connects to PSU300 Charger/Power Supply  
(Use **BLOCK BATTERY** charger/power supply **ONLY**)



## LiFe700 Specifications

### LiFe700 Dimensions:

12.3" (31.2 cm) Height x 10.65" (27 cm) Width x 6.3" (16 cm) Depth

### LiFe700 Weight:

22 lbs (9.97 Kg)

### LiFe700 Battery Type:

Lithium Iron Phosphate

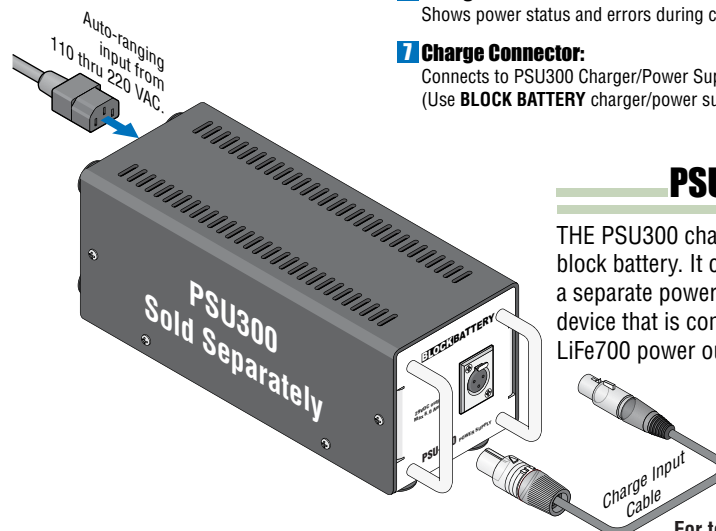
## LiFe700 Storage

### Short Term LiFe700 Storage (Up to 1 Week):

- 5° to 25°C (41° to 77°F)
- No output device plugs connected
- OK to leave charger connected

### Long Term LiFe700 Storage (More than 1 Week):

- 5° to 25°C (41° to 77°F)
- Fully charge battery
- No output device plugs connected
- Do not leave charger connected
- Recharge every month



## PSU300

THE PSU300 charges the LiFe700 block battery. It can also be used as a separate power supply for a device that is compatible with the LiFe700 power output.

For technical support call:

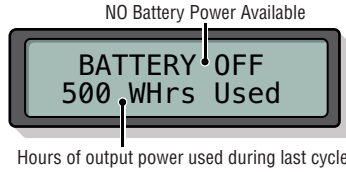
**1-888-424-6322**

## LiFe700 Charging Procedures

Charge the LiFe700 with Block Battery charger model PSU300 (see previous page). Simply plug in the PSU300 and connect the charge input cable. Charging automatically begins.

**Note:** All outputs are automatically turned off during charge.

**Normal Charging LCD Display:** Automatic readout when connected to charger  
Charge time is ~ 3 - 5 hours for empty battery



### Charge Status LED Indicators:

Normal Charging LEDs will light in sequence as charging occurs, **charge is complete when all 3 LEDs are lit.**

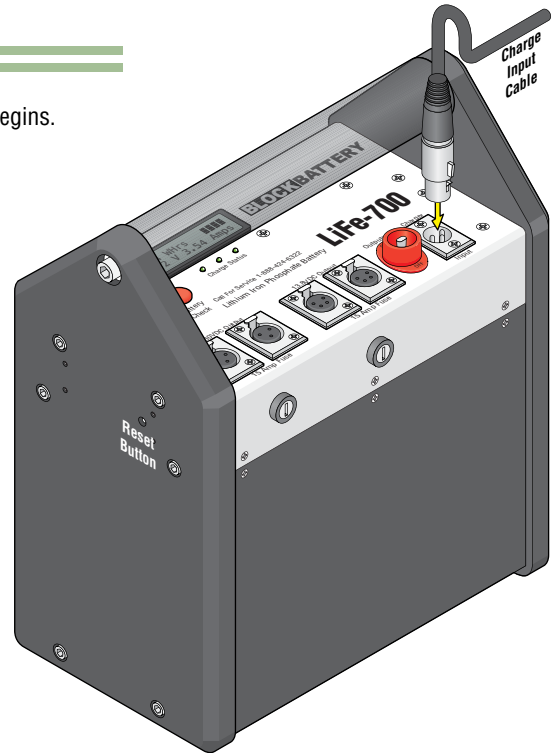


### Charge Status LED Functions:

**LED 1 Blinking** - Charger is waiting to charge until battery cools down or voltage is trickled up. No action required, the charger will automatically reset when ready.

**LED 2 Blinking** - Internal failure on the battery pack. Press **RESET** button.

**LED 3 Blinking** - Charger failure, try a different charger, consult factory.



## LiFe700 Transportation Guidelines

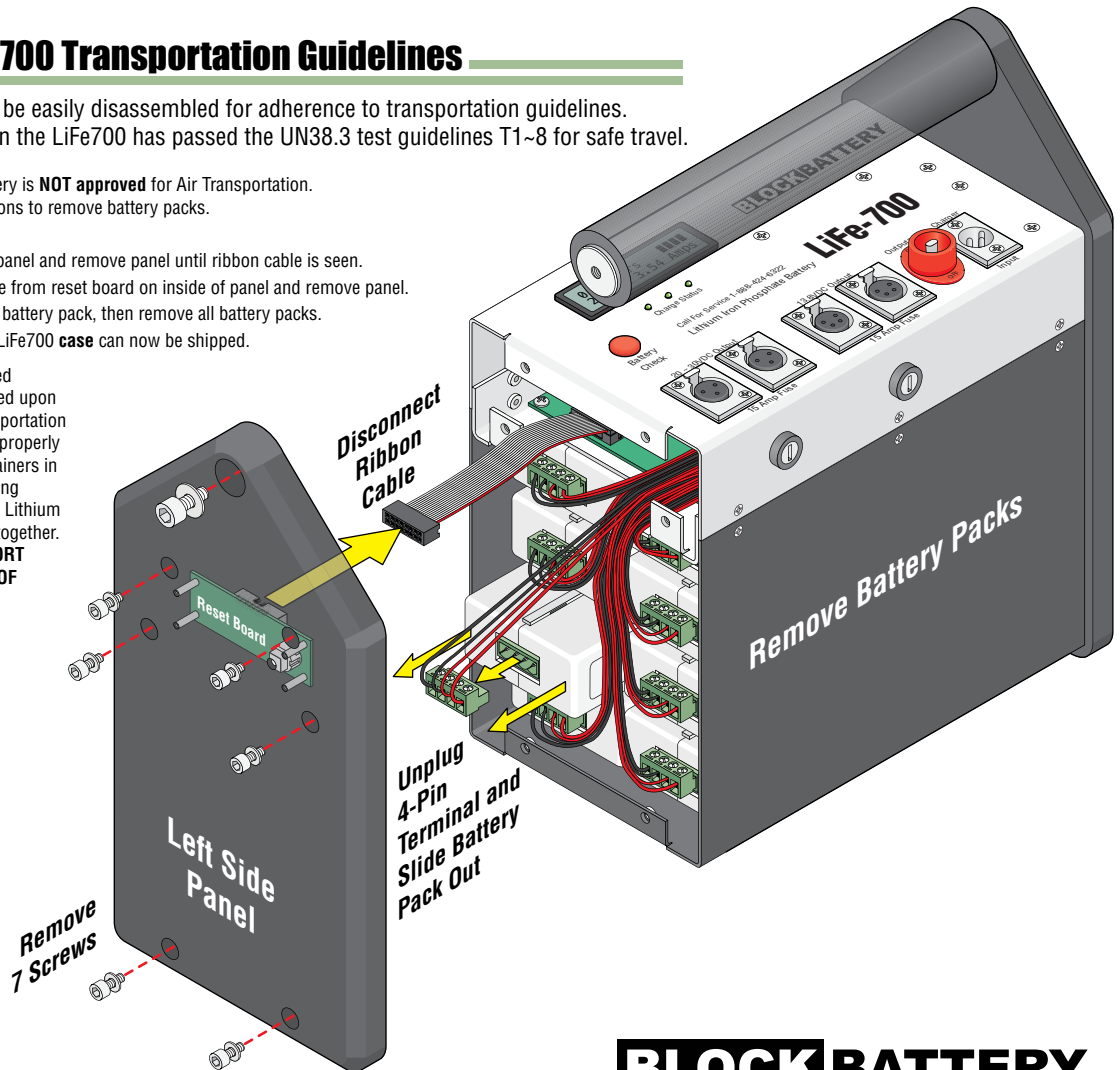
The LiFe700 was designed to be easily disassembled for adherence to transportation guidelines. Each battery pack contained in the LiFe700 has passed the UN38.3 test guidelines T1-8 for safe travel.

The **assembled** LiFe700 Block Battery is **NOT approved** for Air Transportation. Follow these dis-assembly instructions to remove battery packs.

- Disconnect any charger.
- Remove 7 screws from left side panel and remove panel until ribbon cable is seen.
- Carefully** disconnect ribbon cable from reset board on inside of panel and remove panel.
- Unplug 4-pin terminal from each battery pack, then remove all battery packs.
- Reinstall the left side panel. The LiFe700 **case** can now be shipped.

Each battery pack has been approved (UN38.3 T1-T8 test reports furnished upon request) for air and/or ground transportation however care still must be taken to properly package and label all shipping containers in accordance with regulations. Shipping regulations do **LIMIT** the number of Lithium Ion Batteries that can be packaged together. **CONSULT THE CURRENT TRANSPORT REGULATIONS FOR THE METHOD OF SHIPPING SELECTED.**

Each battery pack in the LiFe700 is considered a small lithium ion battery (a battery not exceeding 100Whr). As of 4/1/14, not more than 2 lithium ion batteries can be shipped in a container for air shipments and all packages must be properly marked.



**BLOCK BATTERY**