

Safety Information

Do not use near heat source or damp/wet areas. Do not place anything heavy on top of battery case.

Do not open battery case for any reason.

Do not use if cables are damaged.

Working/storage temperature is 0-40°C (32-100°F).

Unit should be operated in relative humidity of 20-85%.

“Battery over temperature” safety circuit will activate if power pack reaches 65°C (150°F). Unit will shut down until power pack returns to working temperature.

Battery must be charged if idle for more than 50 days to ensure voltage does not drop below shutoff protection.

Recycle battery as electronic waste at end of life cycle.



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EC-2500 iRelax Lithium Ion Rechargeable Battery

An easy-to-use, long-lasting battery for reclining furniture



Features

- * Up to 400 cycles per charge.
- * Protection from overcharge, over-discharge, overcurrent and short circuit.
- * LED shows battery status.
- * Alert sounds when battery needs to be charged.
- * Charge battery with your existing actuator power supply or purchase one with an output of 24-35V DC.
- * For first-time use, charge battery pack until LED is green.

Technical Specifications

Input Maximums

- * 24-35V DC
- * 1.8-3A

Output Maximums

- * 21-30V DC (Nominal output voltage is 25.2V)
- * Up to 2A

Charging & LED Status

- * When battery is charging, LED will remain red if voltage is $<25 \pm 0.5V$.
- * LED will remain green if voltage is $>28.5 \pm 0.3V$.

Discharge & LED Status

- * Power pack can sustain 80 minutes of discharge at a nominal load of 2A or less.
- * When discharge is between 3-5A continuously, battery will cycle off for 9 minutes and on for 1 minute.
- * When discharge current is between 5-10A, battery will shut down within 500ms.
- * Power pack will sound alarm when battery voltage is lower than $24.5V \pm 0.5V$, indicating that battery needs to be charged.
- * If voltage drops below $21V \pm 0.5V$, battery safety circuit will open to protect battery from over-discharge.
- * Charge/Discharge cycle is up to 300 times.

Additional Information

Product includes:

- * Battery Pack
- * Cable adapters (2-pin to barrel connector)
- * Mounting bracket

The battery pack works with most major brands of actuators.

The battery holds a charge for up to 30 days or 400 cycles (if no USB ports, lights or accessories are connected).

USB ports (even when not in use), backlights and touchscreens drastically reduce battery charge.

This is designed to use existing power supply used to power your actuators.

First time use, charge battery pack till LED is green.

Holds a charge for up to 30 days or up to 400 cycles (no USB ports, lights or other accessories connected).