

X-Series

36V, 48V & 80V ADVANCED LITHIUM-ION BATTERY PACK

SWITCH TO A HIGHER-PERFORMING AND
LONGER-LASTING LITHIUM-ION BATTERY PACK

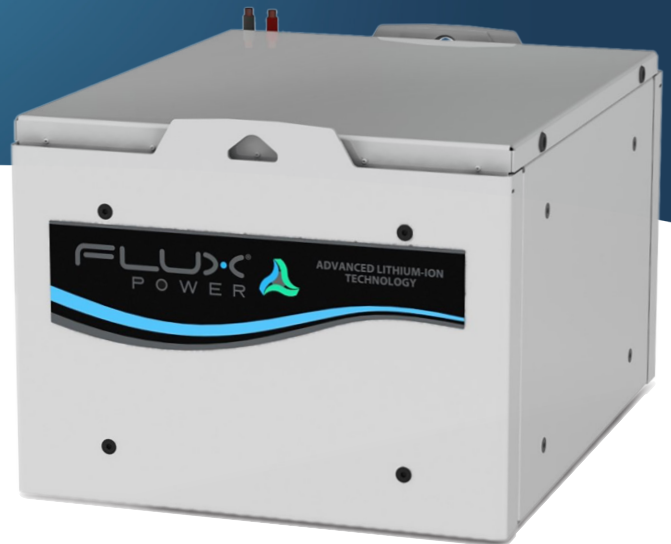
Dramatically Lowers Your Costs!

Safer Technology!

Improved Productivity!

ADVANCED LITHIUM-ION TECHNOLOGY

- Higher sustained power, with no voltage drop-off
- Safe – No acid spills or combustible gas emissions
- Over 3500 cycles at 80% depth of discharge
- Up to 45% lower cost – fewer replacements needed
- No battery swapping required for multi-shift applications
- No Required Maintenance
- Typically uses 50% less energy



SOLUTIONS FOR
**Class 1 Counterbalanced
Forklifts**

FLUX POWER

fluxpower.com

SPECIFICATIONS X-Series

CALL 877-505-3589

	X36	X48	X80
LENGTH	30.0 in (76.2 cm)		
WIDTH	38.6 in (98.0 cm)		
HEIGHT	22.5 in (57.2 cm)		
AVAILABLE CAPACITIES	630 Ah (22.7 kWh)	840 Ah (30.2 kWh)	630 Ah (30.2 kWh)
SYSTEM / NOMINAL VOLTAGE	36 V / 38.4 V	48 V / 51.2 V	80 V / 76.8 V
MAX CONTINUOUS CHARGE CURRENT (EXTERNAL)	300 A	300 A	300 A
MAX CONTINUOUS DISCHARGE CURRENT	350 A	350 A	200 A
CHARGE TEMPERATURE RANGE	32 °F to 113 °F (0 °C to 45 °C)		
DISCHARGE TEMPERATURE RANGE	-4 °F to 131 °F (-20 °C to 55 °C)		
CABLE LENGTH AND POSITION (STANDARD)	24.0 in (61.0 cm) / Position D		
WEIGHT*	2,150 lbs (975kg) or 2,700 lbs (1,225 kg)	2,420 lbs (1,098 kg)	2,420 lbs (1,098 kg)

*Truck adapters available to meet OEM weight requirements.

HOW FLUX POWER TECHNOLOGY MAKES THE DIFFERENCE

BATTERY MANAGEMENT SYSTEM (BMS)

The integral BMS, which is UL Listed, was designed and developed in-house, assuring a fully optimized solution for demanding material handling applications. The patented BMS software ensures the battery provides peak performance at all times when in operation (even at low charge levels), delivers longer run times between charges, and maximizes the total battery lifespan. All Flux Power batteries are designed and built to meet UL standards.

FULL INTEGRATION

The X-Series battery pack is capable of integrating with forklift trucks over CAN. This provides a seamless transition for operators when switching to lithium-ion. The integration features include:

- Accurate battery discharge indicator
- Lift lockout at low state of charge
- IP22 rating

LITHIUM-ION CELLS

Flux Power has optimized the safety and performance of lithium-ion for material handling equipment and other industrial applications. Lithium Iron Phosphate (LiFePO₄) cells were selected because they are one of the safest choices compared to other lithium-ion chemistries.

OPTIONS

- Integrated heaters for cold temperature applications

