INVENTUS POWER

PROformance Series

LV-24V50

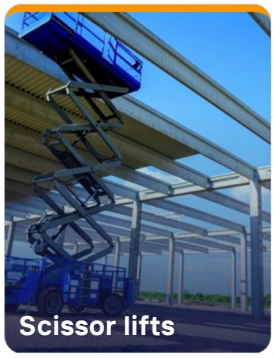
24V, 48Ah PROTRXion Li-ion Battery Pack

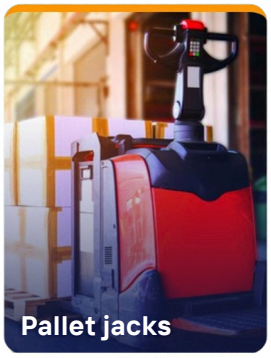


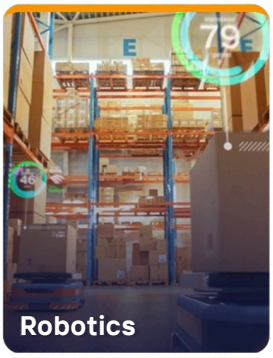
48Ah	24.2lbs (11kg)	IP67	2,000
1.2kWh, standalone pack	267 x 125 x 189mm	waterproof protection	Cycles at 80% DoD

BUILT FOR









WHY IT WINS THE OEM SPEC

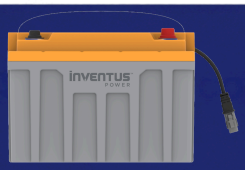
Compact
Fits space-constrained robot & AGV chassis

Purpose-Built Simplicity
No series/parallel cirucity; lower system cost

IP Rated
IP67 protection from water, dust, and liquid exposure

LED Status Indicators
At-a-glance battery health for technicians and end users; no diagnostic tools required.

Right-Sized Capacity
48Ah delivers full-shift runtime for small platforms without oversizing cost or footprint.



LV-24V50: A compact, standalone, IP-rated 24V battery pack that drops in without added system cost.

KEY FEATURES

- Compact, standalone design
- IP67 sealed for wash-down / outdoor use
- Optimized BMS with advanced diagnostics
- Fast-charging capable

SPECIFICATIONS

Cell Chemistry	**$LiFePO_4$**
Pack voltage (nom/max)	**25.6V / 28.0V**
Pack energy	**1.2kWh (48Ah)**
Continuous power	**2.56kW (100A)**
Peak power (<30s)	**4.9kW (192A)**
Cycle life	**2,000 @ 80% DoD**
Weight (nom)	**11.0kg (24.2lb)**
Charge temp	**0°C to 45°C**

Specifications subject to change without notice. Refer to the LV-24V50 user manual for complete installation, safety, and operating instructions.

CERTIFICATIONS

UL2271 **EN1175** **CE**

UN 38.3 **IEC62619**

FAQS

How long does it take to fully charge the battery?

Charging time depends on the percent discharged, the charger's output current (Amps), and the total capacity of the battery. The battery is capable of 1 hour fast charging.

What certifications does it carry?

UL2717, ENI175, CE, UN38.3, and IEC62619 — covering both U.S. and European compliance in a single design.

What's the expected cycle life?

2,000 cycles at 80% depth of discharge under standard 25°C test conditions.

Does this product have a Battery Management System and how does it communicate?

Yes — the intelligent BMS communicates over CANOpen and reports advanced diagnostics for fleet-level visibility.

Is it rated for outdoor or wash-down use?

Yes — IP67 sealed (IP65 if the comm cable is left unmaled), with a -20°C to 55°C discharge range.

Have more questions?

Refere to the user manual, technical data sheet or contact product support at **Tech_Support@inventuspower.com**

