

ALLIANCE 24 & 48 V

PRODUCT NAMES

I24V-3.0 and I48V-3.0

NOMINAL VOLTAGES

25.8 V and 51.7 V

CAPACITIES

60 Ah and 120 Ah

ENERGY

3.0 kWh

FORM FACTOR

GC2



Alliance I24V-3.0

Alliance I48V-3.0

LITHIUM-ION BATTERIES FOR COMMERCIAL AND INDUSTRIAL APPLICATIONS

The Alliance intelligent battery series™ delivers **rugged, reliable, and intelligent** lithium-ion battery packs engineered for demanding commercial and industrial applications. Proudly **designed and assembled in the USA**, Alliance batteries offer drop-in replacement capability, superior safety features, and smart connectivity – all in a durable form factor.

APPLICATIONS

- ✓ Material handling
- ✓ Autonomous and guided vehicles (AGVs)
- ✓ Commercial utility vehicles
- ✓ Robotics and industrial equipment
- ✓ Portable power and backup systems
- ✓ ... and more!



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KEY FEATURES

BUILT TO LAST

- ✓ Automotive-grade lithium-ion tech; rugged design

PLUG-AND-PLAY

- ✓ Drop-in replacement for traditional lead-acid

SMARTER BATTERY

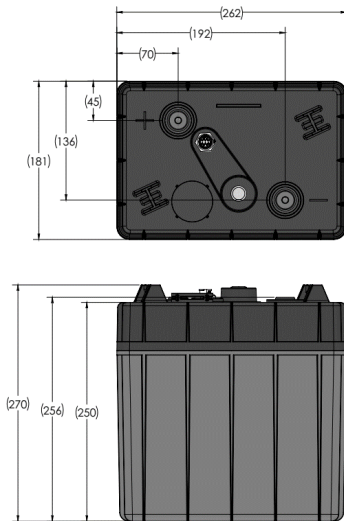
- ✓ Integrated BMS with CAN 2.0 A/B communication

REAL-WORLD READY

- ✓ Wide operating temperature range; IP65 enclosure

BUY AMERICA

- ✓ Designed, tested, and assembled in MI and OH USA



SPECIFICATION	I24V-3.0	I48V-3.0
Nominal ratings at 25 °C	25.8 V, 120 Ah, 3.0 kWh	51.7 V, 60 Ah, 3.0 kWh
Voltage range	19.95 V – 28.7 V	39.9 V – 57.4 V
Cycle life at 25 °C, 70% SOH	4,000+ cycles	
Continuous current – charge	60 A	30 A
Continuous current – discharge	120 A	
Peak charge current	350 A	172 A
Peak discharge current	350 A	300 A
Form factor	GC2	
Weight	15.4 kg	
Operating temperature range	Charge: 1 °C to 54 °C Discharge: -19 °C to 59 °C	
IP rating	IP 65	
Cell technology	21700 NMCA Lithium-Ion	
Compliance	RoHS and Battery Directive (2006/66/EC); UL 1642; UN 38.3; Meets FCC Title 47 CFR 15 Class B; EU Directive, IEC 61000-6-1, IEC 61000-6-3	

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