



TECHNOLOGY
PIONEER
IN CLEAN ENERGY

Heavy-Duty Truck LiFePO₄ Battery

Invest Once, Power for a Decade



**Ultra-Long
Lifespan**

10× lead-acid life



**Automotive
-Grade Cells**

Safe & reliable



**Intelligent
Management**

Optimized charging efficiency



Fleet Ready

Real-time monitoring
& alerts



High Value

Lower cost over full
lifecycle



**All-Weather
Performance**

Reliable from -35°C to 60°C*

*Data derived from controlled BLUETTI lab environments. Actual results may vary depending on the environment, usage or other factors.

Key Challenges for Fleets

01

Overheating Cabs

Waiting or resting in sealed cabins is such a torture.



02

Inefficient A/C

Weak cooling wastes fuel and lowers efficiency.



03

Power Loss on Hills

A/C use significantly reduces engine performance.



04

Unreliable Retrofits

Aftermarket systems risk failure and safety.



05

Generators Hassles

Adds fuel costs, noise, and safety risks.



06

Frequent Battery Replacements

Short-lived lead-acid batteries increase downtime and maintenance costs.



Continuous Power, Zero Downtime

Run onboard appliances with stable, home-like power even when parked.



Longer Lifespan, Lower Cost



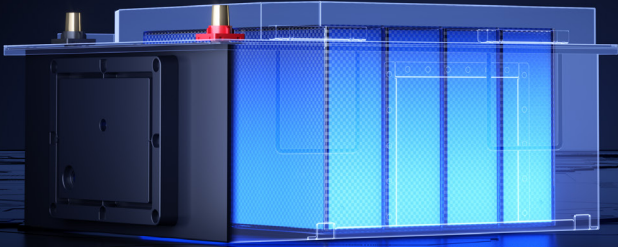
6,000+ cycles
for 10 years of service life



Efficient charging & lightweight design for **lower fuel consumption**



Run A/C
on battery to save diesel cost



All-Round Safety

Automotive-grade **LiFePO₄** cells, advanced BMS protection, and IP65 rating. Built to thrive under tough conditions.

01 Drop Tested
Withstands 1.5m drops
—beyond global standards.

02 Vibration Tested
Endures 48 hours of intense vibrations in compliance with GB/T 5008.12023.

03 Endurance Tested
Survives 6G acceleration at 50Hz for 48 hours.

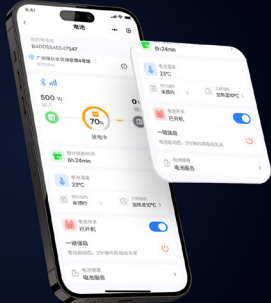


Smart Control on the Go

Track and manage the fleet with instant insights in real-time.



Exclusive Access
Device-bound security to prevent unauthorized or accidental connections.



Specs

Model	B5	B8
Capacity	25.6 V/200 Ah	25.6 V/314 Ah
	5.12 kWh	8.04 kWh
Battery Type	LiFePO ₄	
Dimensions (W × L × H)	495 × 390 × 200 mm	495 × 430 × 230 mm
Net Weight	49 kg	65 kg
Life Cycle	6,000+ cycles to 80% original capacity	

Working Temperature	-35°C to 60°C
Cranking Current	1,500 A
Peak Current	2,000 A
Connectivity	Bluetooth/4G
Working Altitude	≥ 3,000 m
Protection Grade	IP65
Warranty	5 years

Compliance and Certifications : EMC, RF, RCM



110+ Countries & Regions
25+ Global Subsidiaries

3.5M+ Trusted Users Worldwide
300,000m² Smart Manufacturing

BLUETTI ENERGY PTY LTD
Add: Unit 15, 25 Gibbs Street, Chatswood NSW 2067
inquiry@bluetti.com
www.bluetti.com