JUICE™
LITHIUM BATTERY
by enertec

Revolutionizing Energy Storage: Solid-State Lithium Batteries

What Are Solid-State Lithium Batteries?

Unlike traditional lithium-ion batteries that use liquid electrolytes, Solid-State Batteries feature a solid electrolyte, delivering significant advantages.

This innovative design enhances safety, improves efficiency, reduces costs, and extends battery lifespan—making SSBs a game-changer in both stationary and mobile energy applications.

Why They're Ideal for Motorhomes and Mobile Use

Juice Solid-State Lithium Batteries are perfectly suited to motorhomes and mobile power systems, combining unmatched safety, performance, and reliability:

- **Non-flammable solid electrolytes** make them safer in confined spaces
- **Superior thermal performance**, even in extreme climates
- **Up to 10,000 cycles** for long-lasting, dependable use
- **Compact and lightweight** – ideal where space and weight matter
- **Maintenance-free** with active balancing for optimal battery health
- **Quiet and clean energy** for off-grid adventures

Benefits:

- **Advanced Solid-State LiFePO4 Technology**
- **Safest battery technology currently available**
- **Ultra-compact and lightweight design**
- **Exceptional longevity with an extended cycle life**
- **Compatible with all charging systems**
- **Built-in Bluetooth for seamless mobile app monitoring**
- **Seamless integration with Victron Power Systems for real-time battery monitoring**
- **The most cost-efficient lithium solution currently available**

Built with durable prismatic cells and the latest battery management technology, Juice Solid State batteries provide efficient, worry-free power on the move.

Flexible, Scalable Energy for Any System

Available in 12.8V, 25.6V and 51.2V models, Juice Solid-State Batteries are designed for both parallel and series configurations with larger battery banks of up to 16 batteries possible.

Each battery includes a pair of CAN output cables. For standard installations, these are not required—monitoring can be done easily via the built-in Bluetooth and smartphone app. For more advanced systems, the CAN cables can be connected to a Victron Cerbo GX, enabling full integration and detailed monitoring within a Victron power setup.

MODEL	JSSL-12120	JSSL-12200	JSSL-12250	JSSL-24240	JSSL-48120
Voltage	12.8V	12.8V	12.8V	25.6V	51.2V
Capacity	120 a/hrs	200 a/hrs	250 a/hrs	240 a/hrs	120 a/hrs
Power	1536Wh	2560Wh	3200Wh	6144Wh	6144Wh
Chemistry	Solid State, Prismatice cell, Lithum Ion Phosphate (LiFePO4)				
Max Charge	1C -120A	1C - 200A	1C - 250A	1C - 240A	1C - 120A
Recommened Charge	0.5C -60A	0.5C - 100A	0.5C - 125A	0.5C - 120A	0.5C - 60A
Continuous Discharge	150A	300A	300A	300A	200A
Max Discharge (2 sec)	200A	600A	600A	600A	400A
Cycle Life to 80% DoD	≥8000	≥10000	≥10000	≥8000	≥8000
BMS	Integrated Active Cell Balancing				
Protection Relays	Integrated Battery Load Contactor and Stop Charge				
Battery Monitoring	Bluetooth for Monitoring via Smart Phoane App				
Data Output	Via CAN for Intergration with Victron Cerbo GX				
Parallel Conection	Yes				
Series Connection	Yes				
Battery Terminal	M8	M8	M8	M8	M8
Dimensions (LxWxH)	305 x 169 x 210mm	483 x 170 x 240mm	521 x 267 x 220mm	640 x 245 x 220mm	640 x 245 x 220mm
Weight	13.5kg	20kg	24.5kg	42kg	42kg

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