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Welcome to join Vatrer Power!

3840W

Max.Load Power

94.2kWh

Maximum Usable energy

5888kWh

Usable Energy

300A BMS

Battery Management System

5000 +

Cycle life

Grade A

Prismatic LiFePO4 Cells





- **5.0 Bluetooth Connection APP:** Vatrer 12V 460Ah battery is equipped with a Bluetooth module, which allows real-time monitoring of voltage, temperature and charging level through mobile phone for convenient control.
- **32°F/41°F Charging Thresholds:** Features low-temp protection with charging stopping below 32°F and recovering above 41°F, plus discharging halting below -4°F, for cold-climate reliability.
- **5,888Wh Capacity:** Vatrer 12V 460Ah battery offers 5,888 watt-hours of usable energy, replacing two 12V 230Ah lead-acid batteries with a single, powerful unit.
- **3,840W Load Power:** Delivers up to 3,840 watts of load power, supporting high-demand RV appliances
- **5,000+ Cycle Lifespan:** Built with 8 LiFePO4 cells, it lasts over 5,000 cycles with 100% DOD, offering long-term value for RV use.
- **18.9 x 10.82 x 9.84 inches:** Compact dimensions of 18.9 x 10.82 x 9.84 inches fit most BCI 8D trays, simplifying upgrades.
- **94.2kWh in 4S4P:** Expands to 94.2 kilowatt-hours in a 4S4P configuration, supporting up to 51.2kW load power and 1,000A discharge for scalable energy needs.

Battery Dimensions

 Weight: 104.7 lbs



New High and Low Temperature Protection Battery with APP

Upgrade to 3-in-1 LiFePO4 battery for less

3-in-1

VATRER 460Ah LiFePO4 12.8V APP

- High & low temp protection
- APP version
- 460Ah large capacity
- 460Ah large capacity & APP version & High & low temp protection

Long-Lasting Power

RV life joyful hour on the trip



AIR CONDITIONING
3000W

1.9Hrs



MICROWAVE OVEN
1000W

5.8Hrs



COFFEE MACHINE
800W

7.3Hrs



REFRIGERATOR
150W

39.2Hrs



LiFePO4 Battery	12.8V 460Ah
Nominal Voltage	12.8V
Charge Voltage	14.2V-14.6V
Weight	47.5KG / 104.7LB
Energy	5888Wh
Max Continuous Charging Current	300A
Max Continuous Discharging Current	300A
Recommend Charge Current	92A (0.2C)
Max Load / Inverter Power	3840W
Operating Temperature Range	Charge 0°C~50°C(32°F~122°F) Discharge -20°C~60°C(-4°F~140°F) Storage -10°C~50°C(14°F~122°F) Low temp cut off protection (Charge) 0°C ± 4°C (32°F ± 7.2°F) Low temp cut off protection (Discharge) -20°C ± 4°C(-4°F ± 7.2°F)
Terminal Type	M8
Dimension	477*273*252mm 18.78*10.75*9.92inch

Power You Can Depend On with High Capacity & Performance

The Vatrer 460Ah battery delivers a solid 5,888Wh of usable energy and 3,840W load power, making it a great swap for two 12V 230Ah lead-acid batteries. This 12V 460Ah battery provides enough juice to run essential vehicle gear without constant recharging. Its design supports 300A of continuous discharge and a 600A peak for 3s, so you can handle high-demand moments like starting an air conditioner or microwave. Built with 8 high-quality LiFePO4 cells, it supports 100% depth of discharge (DOD) and state of charge (SOC), meaning you get the most out of every cycle. This level of power and efficiency makes it a practical choice for anyone upgrading their vehicle energy system.

Power for RVs



Low-Temp Cut-Off

Protection



300A BMS

LiFePO4 Cells



Max. 4S4P

Max. 61.44kW Load Power



5000+

CYCLES



Premium

Service



Stay Connected with Bluetooth-Enabled Smart Monitoring

One of the key benefits of this lithium RV battery is its Bluetooth capability, paired with a 300A BMS. The 300A BMS acts like a smart guardian, automatically cutting off charging or discharging if things get too hot or cold, adding a layer of safety. For users in chilly climates, this low-temp protection is a valuable feature, preventing damage during cold weather charging. It also includes auto-balance for efficient voltage management across multi-battery setups. It's a simple yet powerful way to stay in control, whether you're a tech-savvy user or just want peace of mind.



Built-in 300A BMS

Prismatic LiFePO4 Battery Cells

- Over-Charge Protection
- Over-Discharge Protection
- Over-Current Protection
- Short Circuit Protection
- High Temp Cutoff Protection
- Low Temp Cutoff Protection

VTRER 460Ah 12V LiFePO4 BMS APP

The built-in Bluetooth module lets you check real-time stats like voltage, temperature, and charge level right from your smartphone. This means you can keep an eye on your battery's health without needing to dig out tools or manuals.

APP Monitor with Smart Phone

Connect Via Phone APP Discharge Switch Check Battery Status Control Battery Off

VATRER 460Ah 12.8V LiFePO4

VATRER APP

10:46 VATRER

SOC **52%**

Remaining capacity 0 100
249.4AH/460.0AH

ChgMos: Balance: Off

DisMos: Protection: Normal

13.2V TotalVolt 0.0A Current 0.0W Power

3.293V VolHigh 3.290V VolLow 0.003V VolDiff

VATRER

2 Cycle

Temperature

21.2°C

20.1°C/68.2°F

20.3°C/68.5°F

10.4.8AH/200.0AH

21.2°C

Cell 2 3.291v

Cell 3 3.291v

1 3.291v

4 3.292v

Dashboard About

VATRER

Search

- HUAWEI Band 9-017
Mac:7C:7D:41:03:00:FF:FF
- ZJ12460-008
Mac:7D:3E:97:FF:04:78
- ZJ12230-45678
Mac:AA:C1:37:12:F8:54
- 512105006240616053
Mac:AA:C1:37:18:58:28
- DWCF005593-002
Mac:7D:3E:97:FF:04:78
- 3B4105001240816001
Mac:7D:A5:62:1F:F2:42

Bluetooth Dashboard About

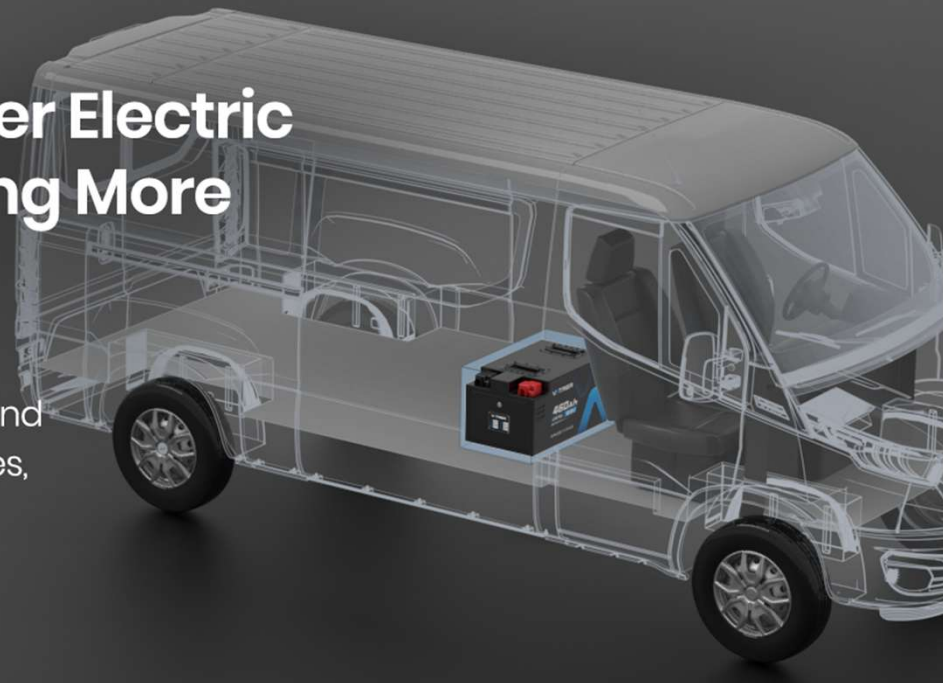
Built to Last with Low-Temperature Protection

Durability is key for any RV battery, and the Vatrer 460Ah battery stands out with over 5,000 cycles thanks to its LiFePO4 construction. The low-temp protection feature ensures the battery shuts down safely under specific conditions, with charging stopping below 32°F and recovering above 41°F, while discharging halts below -4°F. This precise control protects its lifespan in harsh winter conditions, making it reliable for cold climates.

Weighing in at 104.77lbs—30% lighter than two 12V 200Ah lead-acid batteries—and measuring 18.9 x 10.82 x 9.84 inches, it's compact enough to fit most BCI 8D trays without a hassle. This combination of longevity and portability makes it a solid investment for long-term RV use, reducing the need for frequent replacements.

Large Capacity Camper Electric System Makes Traveling More Comfortable.

SPCC housing material, impact resistant and durable smaller than ordinary plastic boxes, fits under the seat.

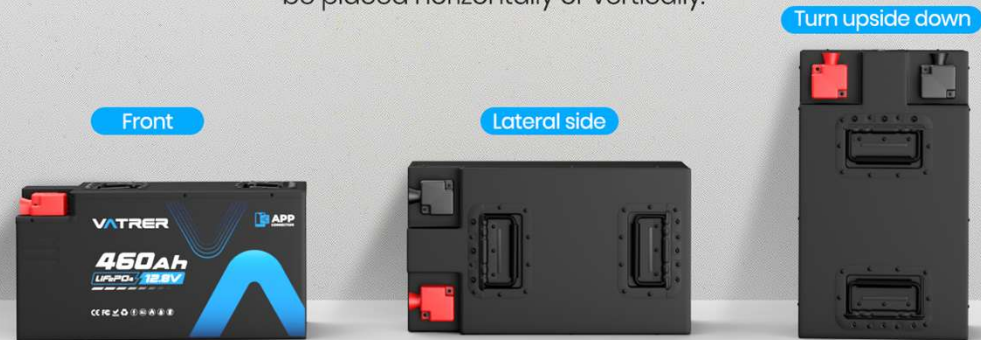


Easy Installation and Expandable Power Options

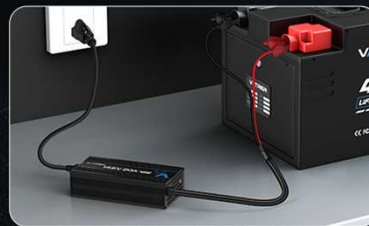
Setting up the Vatrer 460Ah battery is straight forward thanks to its built-in handles and multiple port options, designed for a user-friendly install in tight spaces. For those needing even more power, the Vatrer 12V 460Ah battery shines with its expandable 4S4P setup, offering up to 94.2kWh of maximum usable energy. This configuration allows you to connect up to 4 units in series and 4 in parallel, delivering a robust 51.2kW load power and 1,000A continuous discharge. Whether you're scaling up for a larger vehicle setup or integrating with solar systems, this flexibility ensures your energy needs grow with you, making it a smart option for long-term planning.

Can Be Placed Horizontally or Vertically

The internal structure of the battery is firmly fixed, so it can be placed horizontally or vertically.



3 Methods of Charging



LiFePO4 Charger

(14.6V70A) about 6.5 hrs



Solar Panel-MPPT

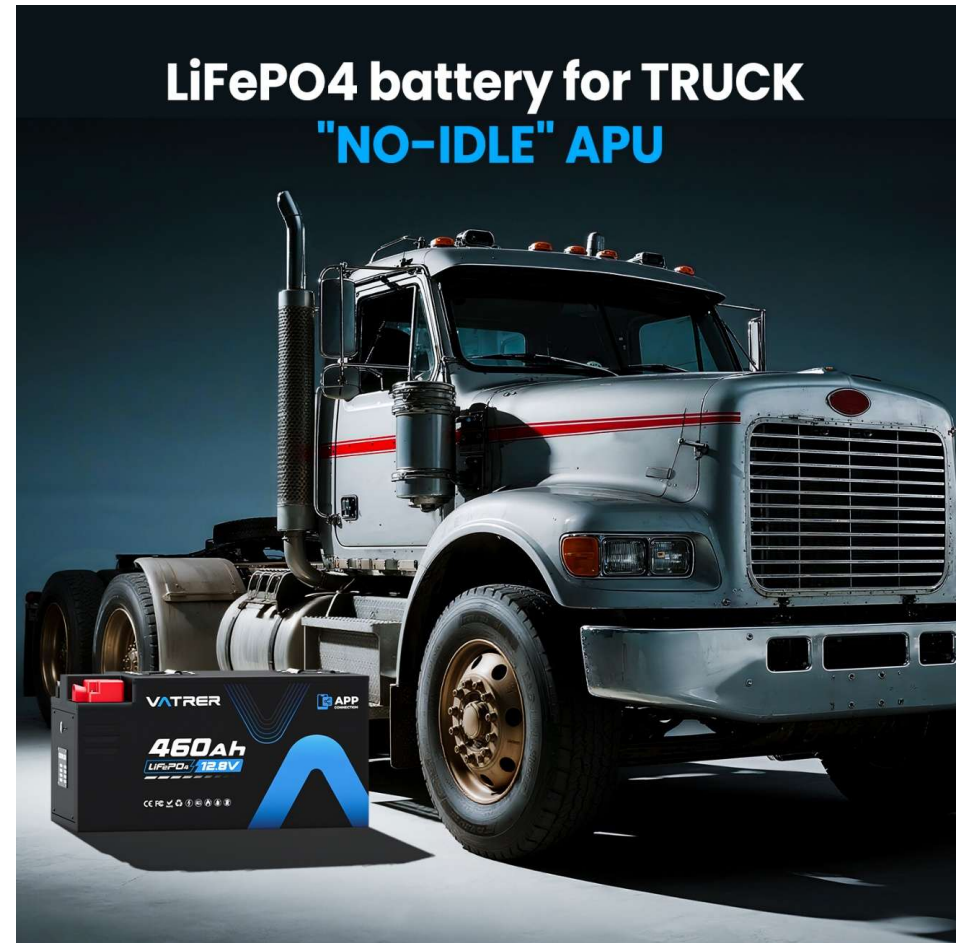
(≥1000W) about 4.5hrs/1 day



Generator

(Add a 50A DC to DC Charger) about 9.5 hrs

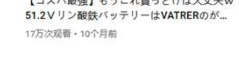
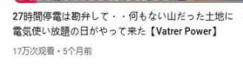
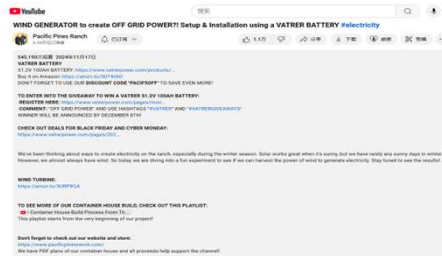
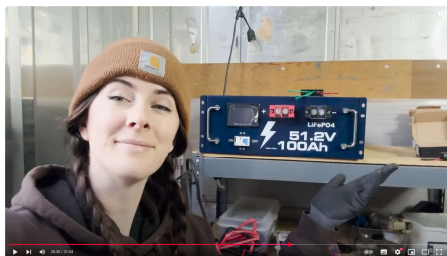
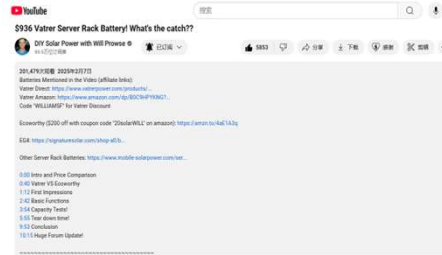
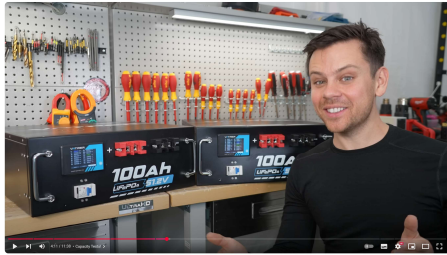
Perfect for AC systems



Perfect for Multiple applications



Blogger's Test Video



2025 Exhibition

