



BLUETTI Partners



**BLUETTI** | TECHNOLOGY PIONEER  
IN CLEAN ENERGY

- Partners: [inquiry@bluetti.com](mailto:inquiry@bluetti.com)
- Media Cooperation: [pr@bluetti.com](mailto:pr@bluetti.com)
- Customer Support: [distribution.service@bluetti.com](mailto:distribution.service@bluetti.com)

Contact Us



EN-V10

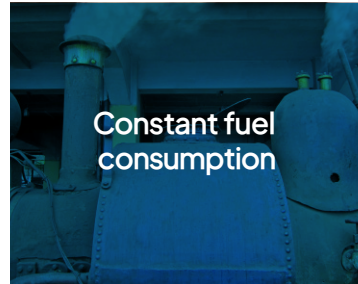


# RVSolar 48V Power System

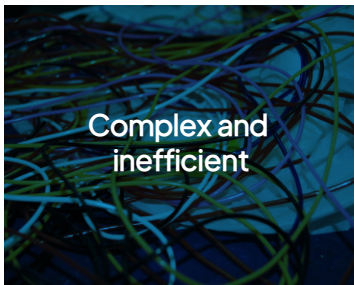
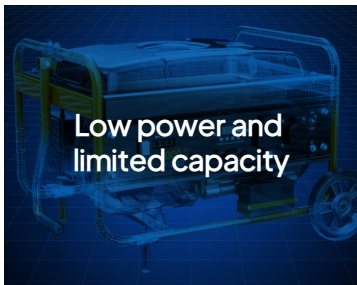
All the Power, Half the Hassle

# The Limits of Traditional RV Power

## Generators & Shore Power



## 12V Electrical System



# A Power Solution for Every RV

Delivering 6,000W of continuous power with a high-efficiency 48V system, this ready-to-use kit powers every adventure — no extra parts or setup required. Fast, flexible charging and automatic system checks keep performance strong and reliable, mile after mile.

- 17 Year Lifespan
- Silent Operation
- Maintenance-Free
- Campground Freedom
- Easy to Install
- Cost Effective

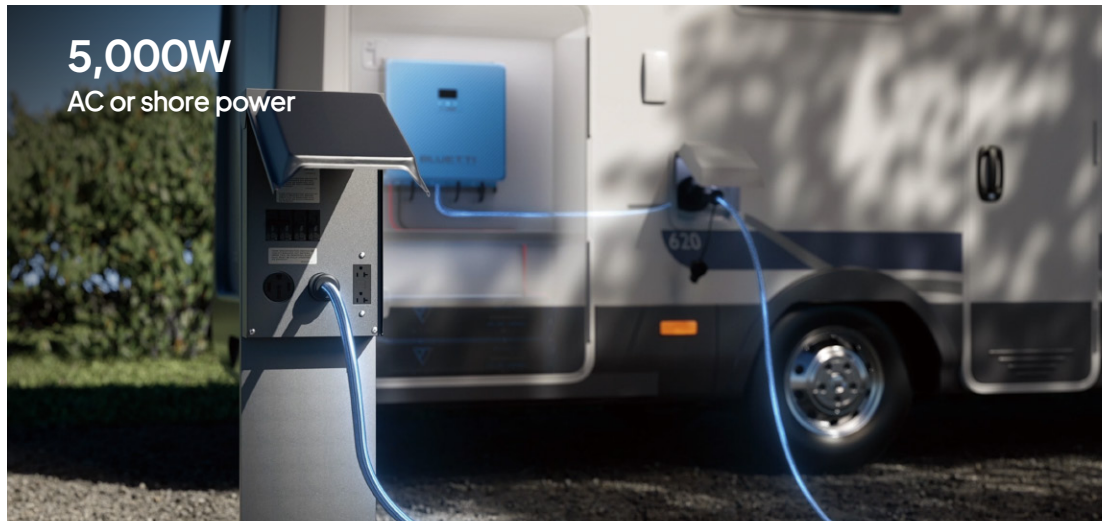
# Bring Home Comfort Anywhere

Power air conditioners, microwaves, and coffee makers with ease, bringing the comforts of home wherever needed. With long battery life and a user-friendly design, this system delivers steady, reliable power — ideal for camping, RVing, or simply unplugging.

- Air Conditioner
- Microwave Oven
- Water Heater
- Hair Dryer
- Coffee Maker
- Refrigerator
- Lights
- Mobile Phone
- Water Pump
- Projector



## Multiple Ways to Charge Fast



## Everything Needed in One Package

**B4810 — 48V 100Ah LFP Battery**  
Durable with IP65 protection, 6,000+ charge cycles (about 17 years of use), and self-heating for cold weather down to -20°C (-4°F).

**Epad — Central Control Screen**  
Real-time system monitoring and remote control, right at your fingertips.

**Epanel — Smart Distribution Panel**  
Separate control and monitoring for AC and DC circuits.

**PV100 FX — 100W Flexible Solar Panel**  
Lightweight and flexible to fit most surfaces.

**RV5 — 5 in 1 Power Hub**  
Combines inverter, solar controller, DC-DC converter, alternator charger, and protection module for easy plug-and-play power.

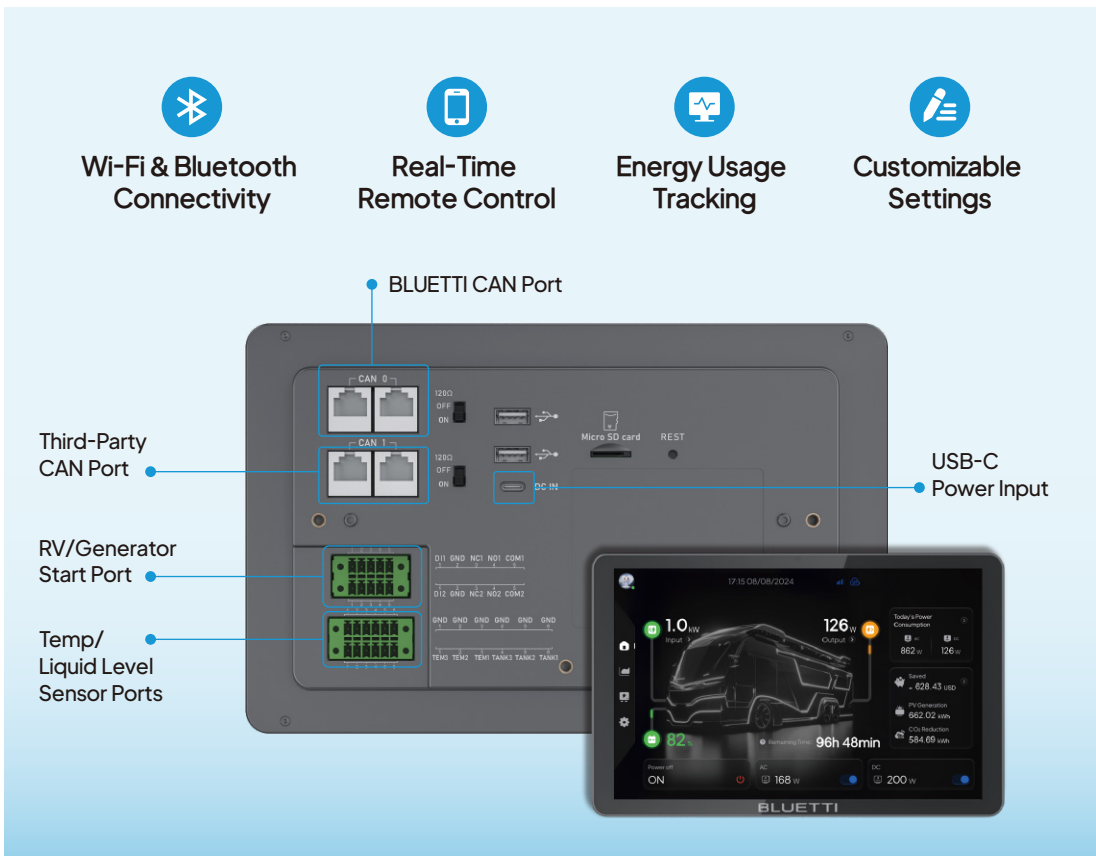
**Note:**  
All components except the Epad are compatible with third-party products.

## Versatile 5kVA Power Hub for Mobile & Off-Grid Use

Built for high-demand setups like RVs, boats, and off-grid homes, this all-in-one system provides up to 6,000W of continuous power. With modular expandability and broad compatibility, installation is quick and easy — no experts needed. Create a smart, efficient energy network with minimal effort.

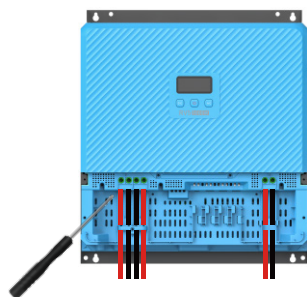


# Smart Control, Seamless Connection

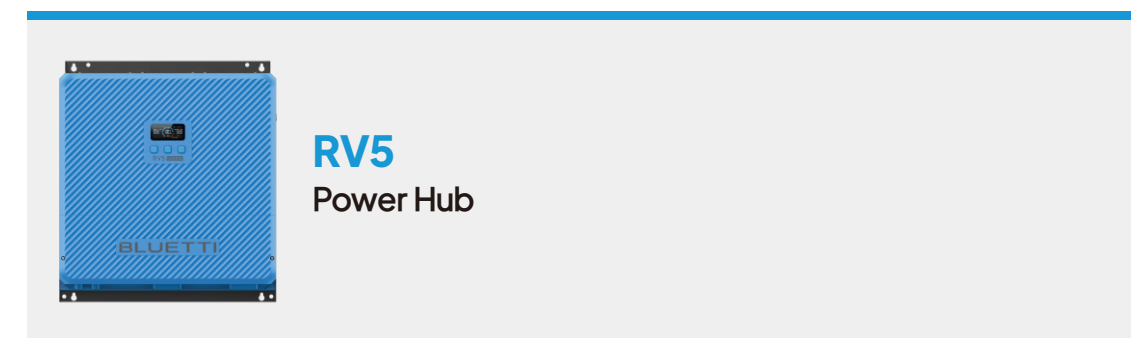


# Easy to Install

No complicated wiring, no endless debugging. The RV5 features an auto-recognition design, so you can tighten the screws and let the system configure itself by identifying voltage and current. Enjoy super quick and easy installation and get powered up in 30 minutes!



# Specifications



## AC Input

Rated Input Voltage	120V (US/CA) 230V (EU/UK/AU)
Uninterruptible Power Supply (UPS)	Switchover time $\leq 20\text{ms}$
Input Power	5,000W Max. (limited by battery terminal current)

## AC Output

Rated Output Voltage	120V (US/CA) 230V (EU/UK/AU)
Rated Output Current	42A @ 120V 22A @ 230V
Rated Output Power	5,000W

## DC Input — Solar (PV1/PV2)

Max. Input Power	1,800W
Input Voltage	12V to 50V
Max. Input Current	50A

## DC Input — Vehicle Battery (PV2)

Max. Input Power	600W (12V battery) 1,200W (24V battery)
Input Voltage	12V to 14.4V (12V battery) 24V to 28.8V (24V battery)
Max. Input Current	50A

## DC Output

Rated Output Voltage	12V/24V
Rated Output Current	100A @ 12V 60A @ 24V
Rated Output Power	1,360W @ 12V 1,620W @ 24V
Total Load Power	6,000W Max. (depends on battery type/quantity)

## General

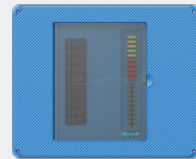
Weight	14 kg (30.86 lbs)
Dimensions	450 × 500 × 159.9 mm (17.72 × 19.69 × 6.30 in)
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Operating Humidity	95% Max.
Certification	UL458

# Specifications



**B4810**  
48V Battery

Voltage	51.2V
Capacity	5,120Wh (100Ah)
Battery Type	LiFePO <sub>4</sub>
Cycle Life	6,000+ cycles to 80% original capacity
Scalability	Up to 24 batteries in parallel (122kWh total)
Max. Continuous Discharge Current	100A
Self-Heating	Yes
Charging Temperature	0°C to 40°C (32°F to 104°F)
Discharging Temperature	-20°C to 40°C (-4°F to 104°F)
Storage Temperature	-20°C to 40°C (-4°F to 104°F)
Operating Humidity	5%–95% (RH)
Protection Rating	IP65
Weight	47 kg (103 lbs)
Communication	Bluetooth & RJ45 (CAN)
Warranty	2 years



**Epanel**  
Smart Distribution Panel

## AC Input

Rated Input Voltage	120V (US, CA) 230V (EU, AU)
Max. Input Current	50A

## AC Output

Rated Output Voltage	120V (US, CA) 230V (EU, AU)
Max. Output Current	50A
Max. Output Current per Circuit	30A
Total AC Circuits	8 (4 smart-controlled)

## DC Input

Input Voltage	10V to 30V
Max. Input Current	100A

## DC Output

Rated Output Voltage	10V to 30V
Max. Output Current per Circuit	20A
Total DC Circuits	20 (6 smart-controlled)
Output Fuses	20 (one fuse per circuit)

## General

Weight	3.5 kg (7.7 lbs)
Dimensions	431.8 × 352.9 × 104.6 mm (17 × 13.89 × 4.12 in)
Operating Temperature	-20°C to 45°C (-4°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Protection Rating	IP20
Operating Altitude	< 2,000 m (6,561.68 ft)
Communication	Bluetooth / Wi-Fi / RJ45 (CAN)

# Specifications



**Epad**  
Central Control Screen

Display	10.1" LCD color touchscreen
Resolution	800 × 1280
Power Input	USB-C: 5V/3A (15W) RJ45: 12V to 60V, 1.5A (integrated power and data)
Communication Interfaces	BLUETTI CAN (for BLUETTI system integration)  Expand BUS (for third-party device communication, supports NMEA 2000 and RV-C protocols)  Ethernet RJ45 (10/100Mbps auto-negotiation)  USB-A (5V/1.5A power output + data for updates/logs)  MicroSD slot (supports SDHC up to 32GB)
Sensor Inputs	3 × Temperature sensor (-20°C to 70°C) 3 × Liquid level sensor (0–100% range) 2 × DI (smoke/CO concentration/alarm)
Control Inputs	2 × Relay (generator ignition signal/thermal protection)
Dimensions (H × W × D)	247 × 158 × 33.9 mm (9.7 × 6.2 × 1.3 in)
Weight	0.67 kg (1.48 lbs)
Protection Rating	IP20



**PV100 FX**  
Flexible Solar Panel

## Power

Max. Power	100W
Cell Lamination	HPC
Cell Type	Mono PERC
Cell Efficiency	Up to 23.4%
Open Circuit Voltage (Voc)	41.4V
Short Circuit Current (Isc)	3.05A
Voltage at Max. Power (Vmp)	34.5V
Current at Max. Power (Imp)	2.9A

## General

Connector	Standard MC4 connector
Protection Rating	IP67
Weight	2.2 kg (4.8 lbs)
Dimensions	1,000 × 590 mm (39.4 × 23.2 in)
Operating Temperature	-10°C to 65°C (14°F to 149°F)
Best Working Temperature	25°C (77°F)
Warranty	12 months

## Who We Are

Founded in 2009, BLUETTI has been a pioneer in clean energy solutions. With over 15 years of innovation and commitment to sustainability, BLUETTI has curated a diverse range of reliable products tailored for adventures, emergency backup power, and off-grid living, shaping a smarter, greener future we share.

**1st**

Manufacturer of both portable power stations and home ESS

**1st**

TUV S-mark certified energy storage system winner in Asia

**1st**

All-round IP65 water-resistant power station

**1st**

All-aluminum residential ESS

**T**op-funded

Power station on Indiegogo

## R&D Achievements

From Day 1, the BLUETTI R&D team has been committed to transforming energy storage, usage, and management — empowering sustainable living both at home and outdoors.

**179**

Inventions

**196**

Utility Models

**199**

Appearance Design

**1,000+**

Patents

## Logistic Network

**30+ Global Warehouses**



## Partner with Us

### Become a Dealer



#### Exclusive Benefits

- Special Discounts
- Sales Rebates
- Sales Leads

#### Inventory & Logistics

- Flexible Shipping (Warehouse or Factory)

#### Performance-Based Benefits

- Special Incentives
- Flexible Payment Terms

#### Marketing Support

- Free Marketing Materials
- Co-Marketing Opportunities

### Become an Installer



#### Core Benefits

- Special Discounts
- Direct Order Placement
- Sales Rebates
- Free Sales Leads

#### Inventory & Logistics

- Zero Inventory (Ship Directly from BLUETTI)

#### Performance-Based Benefits

- Special Incentives

#### Professional Training

- Online & On-Site Technical Training
- On-Site Support by Local Teams

