



RVSolar 48V Power System

All the Power, Half the Hassle



Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740

Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814

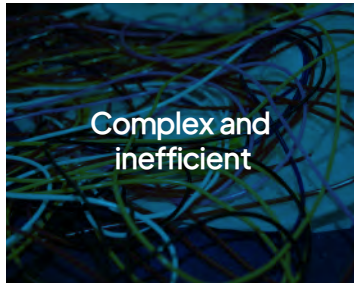
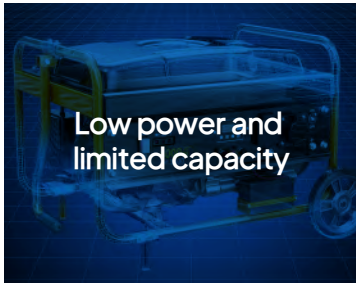
Phone 07 4774 7344

| The Limits of Traditional RV Power

Generators & Shore Power

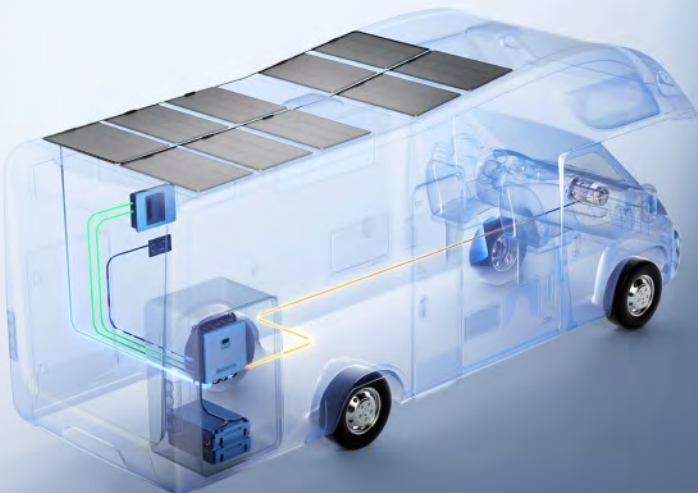


12V Electrical System



| A Power Solution for Every RV

Delivering 5,000W 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 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

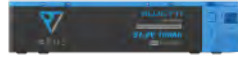


Everything Needed in One Package



RV5 — 5 in 1 Power Hub

Combines inverter, solar controller, DC-DC converter, alternator charger, and protection module for easy plug-and-play power.



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.

Note:

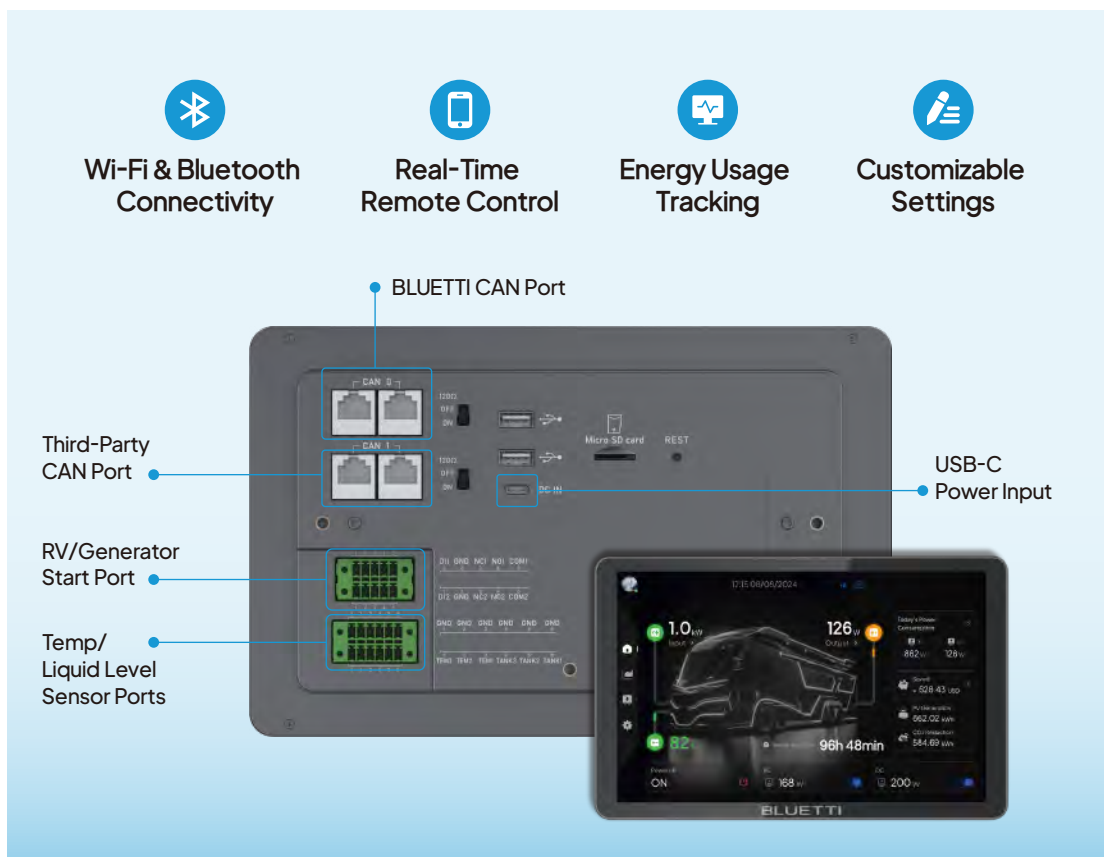
All components except the Epad are compatible with third-party products.

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 5,000W 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.

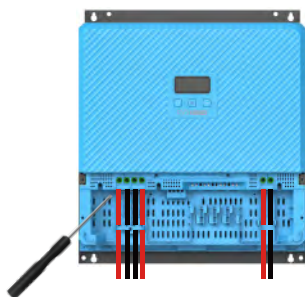


Smart Control, Seamless Connection



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



RV5 Power Hub

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

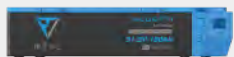
DC Output

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
Warranty	5 years

Specifications



B4810
48V Battery



Epanel
Smart
Distribution
Panel

Voltage	51.2V
Capacity	5,120Wh (100Ah)
Battery Type	LiFePO ₄
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	5 years

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)
Warranty	5 years

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
Warranty	2 years

BLUETTI — Technology Pioneer in Clean Energy | 08

Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740

Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814

Phone 07 4774 7344