

Battery Power Bank Solution

10500W / 14000W

- **10500W / 14000W Capacity, 4 of Output 115V /15A, 2 of Output 240V (18A) (Max. 8KW output at once)**
- **EV Charging (L2) Capable**
- **Input (Grid (125V/280V), Solar (40-64V))**
- **UPS Mode**
- **Monitoring system**
- **Indoor only, UL battery**
- **3 Year Parts replacement by RMA**



Description

The Battery Power Bank designs and manufactures efficient, non-toxic and enduring energy storage and management systems that utilize lithium ferro phosphate (LFP). The Battery Power Bank combines non-hazardous LFP chemistry with its proprietary cell and battery architecture, power electronics, battery management system (BMS) and manufacturing methods to create safe, reliable, durable and highly scalable on-demand power solutions. Available for the residential, commercial, military and emergency response markets, Green Energy storage solutions have been rigorously tested and passed operational performance requirements by the U.S. Army and Marine Corps. Integral to all Green Energy Solutions is a proprietary management system that further optimizes the life-cycle, round-trip efficiency rate, performance and durability of its batteries.



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STANDARD FEATURES

Internal transfer switch automatically disconnects from the grid during power outages and provides standby power for critical circuits

Outdoor rated enclosure can be free-standing, or pad-mounted

98% round trip efficiency

Remote monitoring by web browser or mobile device app

No cobalt , thermal regulation, cooling, or risk of fire

Extended operating temperature

Solar MPPT for DC-coupled or off-grid installations

Automatic Generator control for additional standby power

APPLICATIONS

SIA (Standard Interconnection Agreement) customers: ESS allows for solar PV power to be self-consumed, while also providing a backup power source

NEM (Net Energy Metering) customers: add standby power and peak-shaving to a new or existing net-metered solar array

Off-grid customers: ESS with 8 kW Solar MPPT combines power generation and energy management in a single package



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Specifications

SKU	
10500W Battery	F-GPB-10580
14000W Battery	F-GPB-14080
General	
Operating Temperature	-4 to 122 °F -20 to 50 °C
Mounting	Free-standing or pad-mounted
Inverter	
Outback Power	Radian GS8048A
Application	On / Off Grid
AC Connections	1 Grid Port, 1 Generator Port
AC Output¹	120/240V AC, 60 Hz
Max Charge Rate	115A DC, 7.2 kW (30A AC @ 240V AC)
CEC Weighted Efficiency	92.50%
Battery	
Depth of Discharge³	up to 100%
Round Trip Efficiency	98%
Solar (select models)	
Outback Power Charge Controller	FLEXmax 80
Output Power (max)	8 kW
Charge Current (max)	160A DC



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PV Array Voltage (max operating)(145V DC
PV Array Voltage (max open circuit)	150V DC
Other Features	
Internet Connected Monitor/Command	OPTICS RE
Automatic Generator Start	Two wire generator only
System Display & Controller	MATE3s

Notes:

- 1.) 240V AC standard; 120V AC on request.
 - 2.) When operating from battery, the maximum inverter power is half the battery capacity (kWh/2h).
 - 3.) Max operating conditions. Refer to Warranty for recommended conditions.
- Specifications are typical/nominal. Subject to change without notice.

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