

# RPS150

**MOBILE ENERGY STORAGE SYSTEM**  
150 kWh Fuel Tank for Industrial Applications



## Powerful FEATURES



### Fail-Safe Design

UL tested for deployment in and around occupied spaces



### 100% Electric

Proven in the harshest applications



### Zero Emissions

Safe, reliable, and versatile source of zero emissions portable power



### Minimal Noise

Silent energy has never sounded so good

## ★ KEY BENEFITS

- Zero Emissions, Minimal Noise
- On-Grid Charging
- On- and Off-Grid Discharging
- Generator Hybrid Operation
- Micro-Grid Forming and Participation
- Connect two or more RPS150 together to multiply the capacity

## ★ DISCHARGE PARAMETERS <sup>1</sup>

- Minimum to maximum operating temperature: -10°C to 45°C (14°F to 113°F)
- Max continuous power: 30 kW

## ★ CHARGE PARAMETERS <sup>2</sup>

- Minimum to maximum operating temperature: -10°C to 45°C (14°F to 113°F)
- Max continuous power: 30 kW



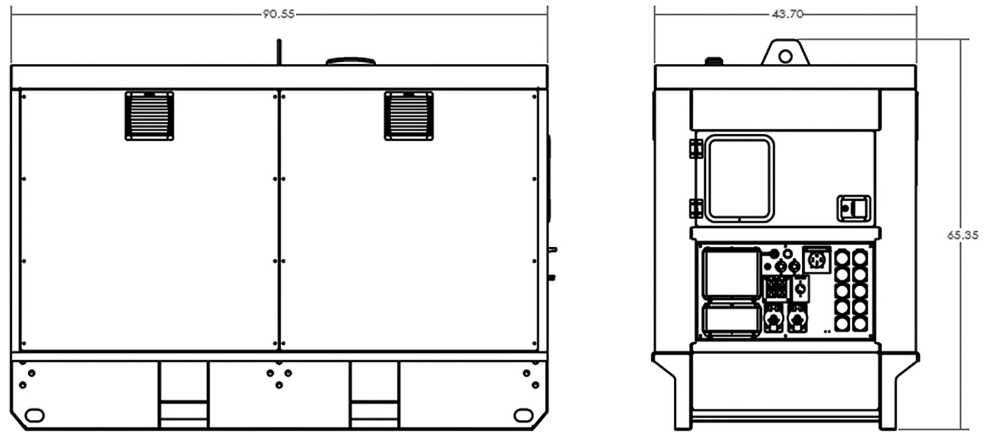
**Bluebonnet POWER**

[www.BluebonnetPower.com](http://www.BluebonnetPower.com)

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## PHYSICAL PARAMETERS

- Length . . . . 90.55 in
- Width . . . . 43.75 in
- Height . . . . 65.35 in
- Weight . . . . 5,800 lbs



\*Dimensions in inches

## ELECTRICAL FEATURES

- 1 X NEMA 14-50R  
1P-208VAC, 50A
- 2 X CS Twist Lock Receptacles  
1P-208VAC, 50A
- 2 X NEMA 5-20R  
1P-110VAC, 20A
- 2 X AC Cam-Locks  
SWITCHABLE 3P-208VAC,  
80A OR 3P-480VAC, 40A

## MECHANICAL FEATURES

- Trailer mounted (unit + trailer)
- Skid-Based Design (unit only)
- Side-Access Forklift Pockets (unit only)
- Single-Top Lift Point
- Full Custom Enclosure  
44 X 50 X 90 Inches

## PARALLELING OPERATION

- Parallel with other RPS150 units
- Parallel with other “DEIF” controlled paralleling generators
- Total paralleling capability of up to 16 systems for 480kW of power and 2.2MWh of total capacity

## PERFORMANCE

### Max Continuous Power<sup>1</sup>

- 30kW Charge
- 30kW Discharge

### Battery System

- 146.7 kWh Nominal
- 132 kWh Usable
- 3,000 Cycles at Usable Capacity<sup>3</sup>

## CERTIFICATIONS

- UN 38.3 (cell/module)
- UL 1642 (cell)
- UL 1973 (pack tested but not listed)
- UL 9540A (cell/module/pack tested)
- UL 9540 (field evaluated at full ESS level)
- All Electrical Components are UL Certified

<sup>1</sup> Operating temperature range mirrors battery cell specifications. The Battery Management System (BMS) is programmed to manage the pack utilization rate to control the internal pack thermal conditions and prevent operation outside of pack interior temperature limits, which can be tailored for different applications/installations. The BMS communicates applicable operating conditions continuously via CAN bus to the inverter and/or system controller.

<sup>2</sup> Optimal minimum to maximum charge operating temperature: 0°C to 40° C. For charging below -0°C maximum charge rate: 13.8kW.

<sup>3</sup> Cycle life can be optimized for individual applications and operating conditions (depth of discharge, duty cycle, temperature, charge/discharge rate).

## FOR MORE INFORMATION

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