



Viridi RPS150

POINT-OF-USE ENERGY STORAGE SOLUTIONS

Skid Mount RPS Power Unit

KEY BENEFITS

- Zero emissions
- On-Grid Charging
- Off-Grid Discharging
- On-Grid Discharging
- Generator Hybridization Operation
- Micro-Grid Forming & Participation
- Minimal Noise

DISCHARGE PARAMETERS¹

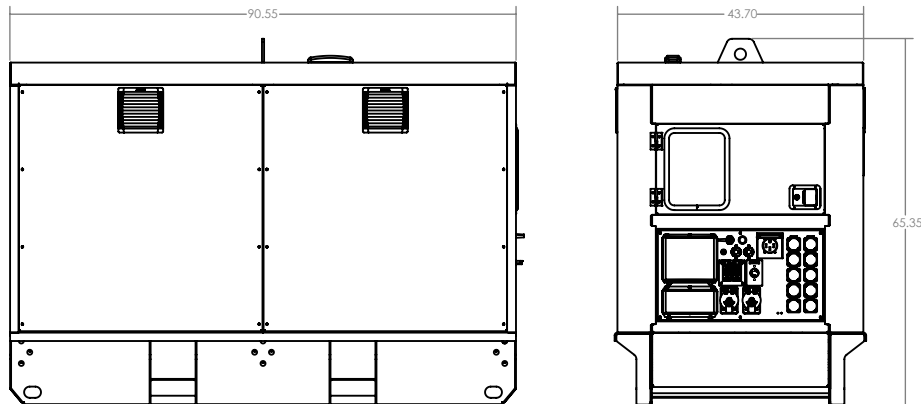
- Minimum to maximum operating temperature: -10°C to 45°C (14°F to 113°F)
- Max continuous power 30 kW

CHARGE PARAMETERS²

- Minimum to maximum operating temperature: -20°C to 45°C (-4°F to 113°F)
- Max continuous power: 30 kW

PHYSICAL PARAMETERS

- Length 90.55 in
- Width 43.70 in
- Height 65.35 in
- Weight 5,750lbs



*Dimensions in inches

ELECTRICAL FEATURES

- 2 X AC Cam-Locks
SWITCHABLE
208V | 3PH | 83.4A
480V | 3PH | 36.1A
400V | 3PH | 43.3A
- 1 X NEMA 14-50R
208 V | 1PH | 50A
- 2 X CS Twist Lock Receptacles
208 V | 1PH | 50A
- 2 X NEMA 5-20R
120V | 1PH | 20A

MECHANICAL FEATURES

- Skid-Based Design
Compatible Towable Trailers
- Side-Access Fork-Lift Pockets
- Single-Top Lift Point
- Full Custom Enclosure
44 X 50 X 90 Inches

PERFORMANCE

Max Continuous Power¹

- 30kW Charge
- 30kW Discharge

Battery System

- 146.7 kWh Nominal
- 132 kWh Usable
- 3,000 Cycles at Usable Capacity³

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 with ESS)
- All Electrical Components are UL Certified

¹ 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.

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

³ 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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