



Stationary Battery Specification

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SUMMARY:

Floor mounted, rechargeable lithium iron phosphate battery.

Modular components for easy shipping, handling and installation on site.

Compatible with popular inverters and charge controllers.

APPROVALS / COMPLIANCE:

All components used in Atlas ESS products are recognized and listed by Nationally Recognized Test Labs (NRTL).

Atlas ESS products comply with the US National Electric Code (NFPA 70 Edition 2017) and UN38.3.

CAPACITY:

5 kWh to 30 kWh per cabinet. Larger capacity with multiple cabinets. Add capacity anytime.

WARRANTY: 15 years prorated, 10,000 cycles.

EFFICIENCY:

Battery: 98%. System efficiency depends on inverter and/or charge controller. Typically over 90%.

CHEMISTRY:

Lithium Iron Phosphate LiFePO₄.

VOLTAGE:

Available in 48v, 24v, 12v.

POWER:

Maximum continuous 17,920 watts. Determined by wire size. 10,240 watts with 2/0 wire.

CURRENT:

350 amp max. Typically 200 amp at 48v continuous with 2/0 awg wire. More with special order.

OVER CURRENT PROTECTION:

Typically 200 amp fuse. Other fuses available. continuous with 2/0 awg wire. More with special order.

DEPTH OF DISCHARGE (DOD):

Set during installation. Typically set to 80%

OPERATING TEMPERATURE:

0F to 113 F (0 C to 45 C).

ATTACHMENT:

Floor mounted.

ENCLOSURE:

NEMA 1 in-doors. Fire rated for flammable materials.

WEIGHT:

10 kWh = 380 lbs 215 kg

20 kWh = 750 lbs 339 kg

30 kWh = 950 lbs 424 kg

DIMENSIONS:

15 kWh cabinet:

41" x 24" x 18" = 1041mm x 597 mm x 457 mm

30 kWh cabinet:

65" x 24" x 18" = 1651 mm x 597 mm x 457 mm

