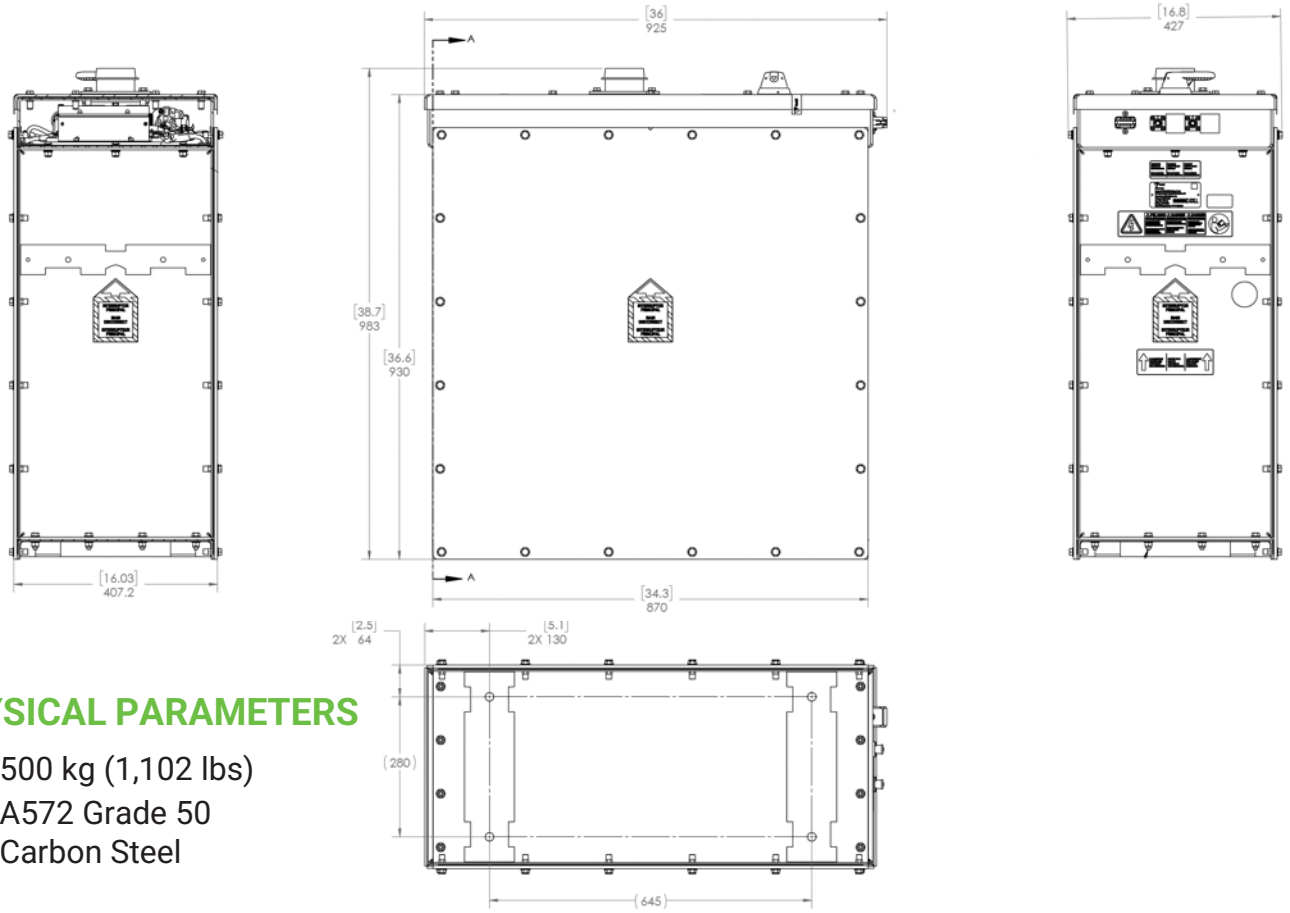


Fail-Safe Point-of-Use Li-Ion Energy Storage for deployment in or around occupied buildings and critical equipment

KEY BENEFITS

- Contains patented Viridi Fail-Safe Anti-Propagation Technology to prevent Li-Ion Fire
- Installed capacity: 245 Ah
- Installed energy: 48.9 kWh
- Integrated Battery Management System (BMS)with CAN 2.0b communication
- Can be connected in series for higher voltage/power and additional systems can be added to work in parallel for additional capacity
- Pack enclosure built from ¼” steel and IP55 rated for an extremely durable industrial design built to survive harsh environments

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PHYSICAL PARAMETERS

- 500 kg (1,102 lbs)
- A572 Grade 50 Carbon Steel

DISCHARGE PARAMETERS [1]

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

CHARGE PARAMETERS [2]

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

CYCLE LIFE [3]

- Maximum charge voltage: 221.4 V
- Minimum discharge voltage: 167.4 V
- BOL DC-Usable capacity: 41.6 kWh
- Approx 4,000 cycles to 80% of Beginning-of-Life DC-Usable kWh Rating

CERTIFICATIONS

- UN 38.3 (cell/module)
- UL 1642 / 2580 (cell) UL Recognized Component
- UL 1973 (cell) SGS Listed
- UL 9540A (cell/module/pack) tested by multiple NRTLs
- UL 1973 (pack) cTÜVus Listed

[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 45°C. For charging below -0°C maximum charge rate: 4.6kW. Additionally, for charging below -10°C, maximum charge voltage: 210.6V.

[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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