

# Zenaji Eternity

## LTO Energy Storage Systems



The Zenaji Eternity Energy Storage System has been developed to meet the growing demand for commercial to grid scale energy storage. With a basic building block of 32 kWh the system is scalable for commercial users up to the megawatts of power needed by utility power companies.

The ultra-long life of the Eternity makes it the lowest cost per kilowatt hour of energy stored and retrieved over its lifetime, of any Lithium Ion solution currently available. Further, the Eternity takes full advantage of the incredible charge and discharge characteristics of the Titanate chemistry along with its enhanced safety features and ability to operate in hot and cold climates.

### Commercial Solutions

- Light Commercial / Industrial
- Larger Residential
- Telecommunications
- Emergency / Portable Power
- Large Scale UPS
- Data / Processing Centres
- Farming and Micro-grid

### Industrial Solutions

- Solar Farms
- Wind Farms
- Communities / Substation
- Utility / Grid backup
- Peak Smoothing

- 32 kWh Battery Rack Unit
- Temperatures -40° to 60°C
- Fully scalable from Kilowatts to Megawatts
- Easy to install
- Huge surge current capability
- Long Service life
- Ultra Safe
- CANBUS & MODBUS Communications
- Systems can be configured in Series or Parallel

### Contact Us

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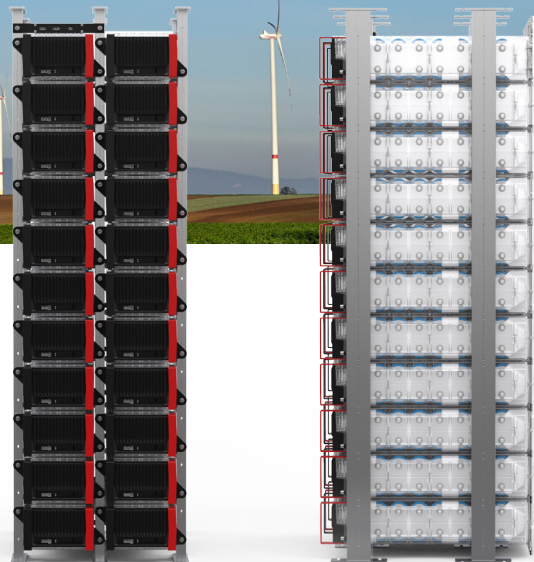
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## Overview

Nominal Capacity (kWh)
Maximum Continuous Power (kW @ 4C)
Maximum Continuous Current (A @ 4C)
Maximum Pulsed Power (kW @ 10C)
Maximum Pulsed Current (A @ 10C)
Duty Cycle
Cell Cycle Life

## Specification

32kWh
128kW
2560A
320kW
6400A
up to 10 cycles per day
22,000 cycles

## Key Features

Battery Management System
Compatible Inverters
Communications
Warranty

Zenaji Eternity LTO Cell management
System configurable for use with most inverters
CANBUS, MODBUS
10 Years or 22,000 cycles whichever comes first, to ≥80% capacity retention, see warranty document for details

## Battery Information

Chemistry
Continuous C-Rate
Pulse C-Rate
Voltage Class
Nominal DC Voltage (V)
Minimum DC Voltage (V)
Maximum DC Voltage (V)
Nominal Capacity (Ah)
Round Trip Efficiency (%)
Depth of Discharge (DoD %)

LTO (Lithium Titanate)
4C
10C
Extra-Low Voltage (120V DC)
50V
44V
56.5V
640Ah
96%
100%

## Mechanical Information

Package Format
Battery Racks Gross Weight (kg)
Dimensions (m) (H x W x D)

Rack Unit (to fit cabinet or battery room)
700
1.86 x 0.6 x 0.76

## Ambient Conditions

Operating Temperature (°C)
Optimal temperature (°C)
Storage Temperature

-40 to 60°C
25 ± 5°C
-5 to 35°C