



Aeon Battery

A48-40

Take charge of your energy. Zenaji's Aeon Battery provides an economically viable lifetime solution for your home energy storage.

Cutting edge battery delivering market-leading technology and economic savings

The Aeon Battery offers the most **robust, safest, longest life** and most **cost effective** solution available today. With a **no frills** design, the Aeon Battery is **easy** to install and can be **expanded** in the future to provide you with peace of mind in your storage **investment**.

Lifetime Solution

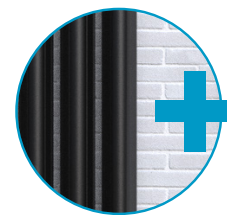
The Aeon battery lasts for 22,000 cycles, and has a tough weatherproof aluminium case providing a lifetime energy storage solution.

Superior Performance

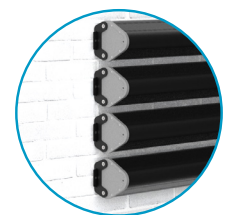
Each Aeon Battery provides 1.93kWh of energy storage. Superior cycling performance allows 3 cycles a day to take full advantage of your energy production and off peak energy pricing plan.

Smart Design

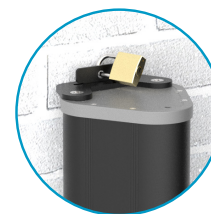
Simple inside or outside installation, easily mounted on a wall, with a space efficient design and modern aesthetics (comes with mounting brackets)



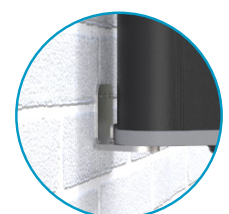
Easy system Expansion



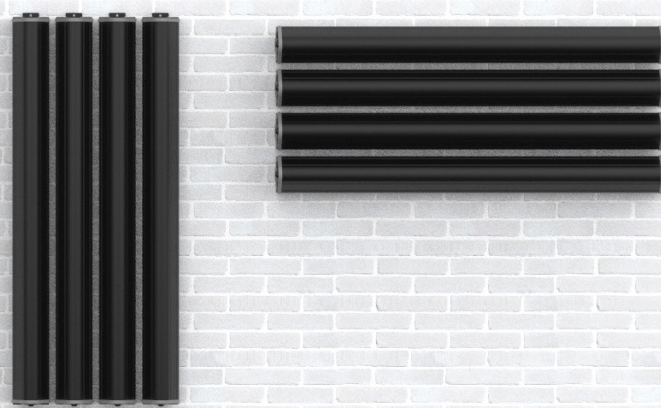
Horizontal mount



Simple lock security



Vertical mount



Specification

Nominal Capacity (25°C ± 5°C) (Useable Capacity)

Chemistry

Dimensions (Height x Width x Depth)

Nominal Voltage

Bulk Stage Voltage / Current*

Absorption Stage Voltage / Current*

Float Voltage*

High Cut-off Voltage

Discharge Cut-off Voltage (Low Cut-off Voltage)

Low Restart Voltage (Reconnect Voltage)*

Mass

Rated DC Charge/Discharge Current (25°C ± 5°C)

Rated DC Charge/Discharge Power (25°C ± 5°C)

Max DC Charge/Discharge Current (10s, 25°C ± 5°C)

Max DC Charge/Discharge Power (10s, 25°C ± 5°C)

Battery Management System

Isolation & Distribution Block Requirement

Battery Short Circuit Current

Operating Temperature

Storage Temperature

Cycle Life (1C, 25°C ± 5°C)

Depth of Discharge

Round Trip Efficiency (1C, 25°C ± 5°C)

Ingress Rating

Installation

Connections

Warranty

A48-40

1.93KWh (40Ah)

Lithium Titanate (LTO)

1635 x 155 x 145 mm

48.0V

53.0V / 20A

56.3V / 8A

53.8V / 4A

56.3V

42.5V

45.6V

If only one Bulk/Absorption stage available, use Absorption settings

round down to closest number when inverter setting isn't as precise

round up to closest number when inverter setting isn't as precise

36kg

50A (1.25C) continuous DC, 38A (0.95C) pulsed DC**

2415W continuous DC, 1835W pulsed DC**

120A (3C)

5796W

Internal cell balancing, failure detection and trip. Under-Voltage, Over-Voltage, Over-Current, Over-Temp, Under-Temp protection and trip

50A per battery connected in parallel

1700A

-40°C to 60°C (recommended 5°C to 35°C)

-5°C to 35°C

22,000

100%

96%

IP65

Indoors or outdoors

6mm² (10 AWG) (Ø2.8mm) wire per pole

20 Years or 22,000 cycles, whichever comes first, see warranty document for details

*common two or three stage charge and discharge settings. For specific inverter settings, please contact Zenaji.

**most inverters supply pulsed Direct Current, not continuous Direct Current

For information on compatible inverters, chargers and charge parameters please visit www.zenaji.com

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All product, service and technical data described subject to change without notice

A48-40 Spec Sheet | ZEN-012 | V4.3 | 29 SEP 2021

