



## Aeon Battery

A48-40-02

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

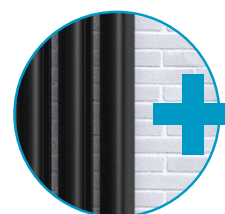
The Aeon battery lasts for 22,000 cycles, and has a tough weatherproof aluminium case providing a lifetime energy storage solution.

### Superior Performance

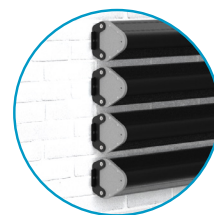
Each Aeon Battery provides 1.93kWh of energy storage. Superior cycling performance allows 3 cycles a day to take full advantage of your energy production and off peak energy pricing plan.

### 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



## Technical Specifications

## Aeon Battery A48-40-02

Nominal Capacity (25°C ± 5°C)	1.93KWh (40Ah)
Chemistry	Lithium Titanate (LTO)
Dimensions (Height x Width x Depth)	1600 x 155 x 145 mm / 1635 x 155 x 145 mm
Nominal Voltage	48.3V
Charge Cut-off Voltage (Bulk/Absorption Voltage)	56.5V
Float Voltage*	55.5V
Discharge Cut-off Voltage (Low Cut-off Voltage)	42V
Low Restart Voltage (Reconnect Voltage)*	44.6V
Mass	36kg
Max Continuous Charge /Discharge Current (25°C ± 5°C)	50A (1.25C)
Max Pulse Charge/Discharge Current (10s, 25°C ± 5°C)	120A (3C)
Battery Management System	Internal cell balancing, Over-current trip / Internal cell balancing, failure detection and trip. Under-Voltage, Over-Voltage, Over-Current, Over-Temp, Under-Temp protection and trip
Isolation & Distribution Block Requirement	50A per battery connected in parallel
Operating Temperature	-40°C to 60°C (recommended 5°C to 35°C)
Storage Temperature	-5°C to 35°C
Cycle Life (1C, 25°C ± 5°C)	22,000
Depth of Discharge	100%
Round Trip Efficiency (1C, 25°C ± 5°C)	96%
Ingress Rating	IP65
Installation	Indoors or outdoors
Connections	8mm <sup>2</sup> (8 AWG) (Ø3mm) wire per pole
Warranty	20 Years or 22,000 cycles, whichever comes first**

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

\*\*see warranty document for full details

For information on compatible inverters and chargers please visit [www.zenaji.com](http://www.zenaji.com)

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