

## Averde Lithium-ion battery 5.1Kwh



The Averde Lithium-ion battery can handle a max current draw of up to 120Amp and comfortably charged at 50Amp at a 1C rating. 5.1Kwh / 100Ah / 51.7V - up to 16 000 cycles. This is an excellent quality battery with backup spares and technical support. This option is ideal for solar systems and backup power solutions.

Rating: Not Rated Yet

### Price

Normal price: R 33999

Price: R 23999

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Manufacturer [Averde](#)

### Description

The most installed lithium battery for Telecommunications and back-up systems in Africa with a track record of more than 150 000+ installations. The Averde Lithium-ion battery can handle a max current draw of up to 120Amp and comfortably charged at 50Amp at a 1C rating. This is an excellent quality battery with backup spares and technical support. This option is ideal for solar systems and backup power solutions.

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## SPECIFICATIONS

- Capacity – 5.1Kwh / 100Ah / 51.7V
- Standard charge current – 50A (1C)
- Maximum continuous discharge current – 70A (1C)
- Maximum instantaneous output current – 120A (1C)
- 3500 to 16 000 cycles (at 25c) with 95% DoD and 10% DoD (20 Years)
- Modular design for system scalability
- Built in BMS that protects the cells from abnormal temperature, current, voltage, Short circuit, SoC and SoH.
- Operating Temperature > -20 to 55 degrees celsius. (ideally 25 degrees C)
- 7 year warranty

### FINISHING:

Powder coated – Siemens Grey

### DIMENSIONS

Dimensions 442mm x 512mm x 222 (Rack design)  
Weight 41kg

### MOUNTING:

Rack Mount as well as wall mount options available

### CHARGE

**Rated voltage:** 48V (45.5V ~ 52.5V) [15 Cell]

**Range limit:** [41V ~ 54V max]

**Recommended charge setting:** Bulk/Boost/Absorption: 52.7V | Float: 51.0V~52.5V

**Rated capacity:** 100Ah (4800Wh)

**Max charge current:** 100A, (1C) (recommended ?50A)

**Max discharge current:** 100A, (1C) (recommended ?70A) [120A peak]

### LIFE

**Max cycles (Design life):** More than 16000 Cycles at 10% DOD (more than 20 years)

**Min cycle life (Operating life):** More than 3500 at 95% DOD (@25°C) (more than 9 years)

**DOD: Recommended:** 95% max Allowed: 100% [Note one must consider connected device's low power consumption]7

### Reviews

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