



2 Shearson Cres, Mentone, Victoria Australia 3194

Zenaji Aeon Battery A48-40

CRITICAL INFORMATION FOR INSTALLERS

Read before installation.

Welcome to the world of Zenaji Energy Storage. Follow the steps below.

Ensure you comply with all local regulatory standards for the installation of batteries.

1. **SAFETY.** Safety is the key to all electrical installations and it is critical you follow all safety guidelines laid out by the authorities in your area and those contained in the Zenaji Aeon Battery Installation Manual & Inverter Settings Document.
2. **FOLLOW INSTRUCTIONS IN THE ZENAJI AEON BATTERY INSTALLATION MANUAL.** The Installation manual can be downloaded or viewed at www.zenaji.com
3. **WARRANTY & REGISTRATION.** The 20 Year, 22,000 cycle Warranty only becomes valid if both the Installer and Customer register the batteries at www.zenaji.com immediately after installation. Please note you will need to register the serial number of each battery. Complete warranty documentation is available at www.zenaji.com
4. **CRITICAL INFORMATION FOR INSTALLERS:**
 - A. **READ AND FOLLOW THE *INSTALLATION MANUAL*.**
 - B. **Set inverter settings as laid out in the *INVERTER SETTINGS DOCUMENT*.**
 - C. **IF SPECIFIC SETTINGS ARE NOT AVAILABLE USE THE BELOW SETTINGS AND *CONTACT ZENAJI*.**
 - a. Absorption Stage (High/Charge Cut-off Voltage).....**max 56.3V 8A**
 - b. Bulk Stage.....**max 53.0V 20A**
 - c. Float Stage.....**max 53.8V 4A**
 - d. Low/Discharge Cut-off Voltage.....**min 42.5V**
 - e. Low Restart (Reconnect) Voltage.....**max 45.6V**
 - f. Maximum Charge/Discharge current (continuous).....**max 38A (due to pulsed DC ripple from inverters, 50A for continuous DC)**
 - D. Where possible, do not cut cables.
 - E. In the event cables must be shortened, all batteries must be of equal length within $\pm 150\text{mm}$ and never shortened to less than 1000mm.
 - F. **Do not install multiple batteries in series.**
5. **ONCE INSTALLED CHECK VOLTAGE OF BATTERY, IF BELOW 46V PERFORM AN INITIAL CHARGE ON THE BATTERY.** Initial charge instructions are in the Installation Manual and the back of this sheet

INITIAL CHARGE PROCEDURE

Measure the voltage of the battery, if the voltage of the battery is lower than 46V, proceed with a slow equalisation charge.

Set inverter to the below settings

Inverter Settings - Initial Slow Equalisation Charge

High Cut-off Voltage (Bulk/Absorption voltage)	As per A48-40 inverter settings document
Float Voltage	As per A48-40 inverter settings document
Low Cut-off Voltage	As per A48-40 inverter settings document
Low Restart (Reconnect) Voltage	As per A48-40 inverter settings document
Maximum Charge/Discharge Current	5A per battery
Bulk/Absorption Time	1h

Proceed to charge the battery till the *High Cut-off Voltage* or *Float charge state* has been reached.

Commission battery with normal Current and Absorption times as set out in the **INVERTER SETTINGS DOCUMENT**.

PACKAGING CHECKLIST (ZENAJI USE)

BATTERY SERIAL NUMBER: ZENA48 - ____ - ____ - _____

☐ Check paintwork and sticker placement

☐ Mounting kit and documents included

☐ All parts of packaging used

☐ Serial number shown on packaging

SIGNED: _____

DATE: ____ / ____ / ____