

AE400-Core Technical Specification

The AE400-Core is a LV battery and mains interconnect system which couples plug-in modules to the battery, and as required to the AC feed point. The unit contains both RCD and Earth Fault monitoring plus a high-capacity AC IN AC Out bridge relay facilitating safe and controlled operation with external AC feeds. The design minimises the number of internal looms and connectors to enhance long term reliability.

The AE-400 Core unit provides the control platform that serves as the control and data backbone for both current and future plug-in modules, whether integrated within the unit itself or connected through additional linked units.

Preliminary Technical Specifications Rev 03:

435 VDC
370 - 460 VDC (128 cells @ 2.9 - 3.6 VDC)
60 A
230 VAC
180 – 275 VAC at Battery Nominal Voltage
50 Hz
45 – 55 Hz
24kW – 6 x Modules fitted
200 A AC Link
2U Rack case – 491 x 582 x 87 mm (W x L x H)
10.0 kg – no plug in modules fitted
-10°C to 45°C – Derated above 45°C
Forced Air
Max 90% non-condensing
AC In, AC Out, Battery, 6 x Pulselink Edge slots
USB Type A, Ethernet, Battery CAN, Pulselink
Core Active/Online, Module Active/Online
In-built RCD, Earth Fault Monitoring



Internal view with 5 Modules fitted - "B-level" pictured

Specifications subject to change - © Aspect Labs Pty Ltd