

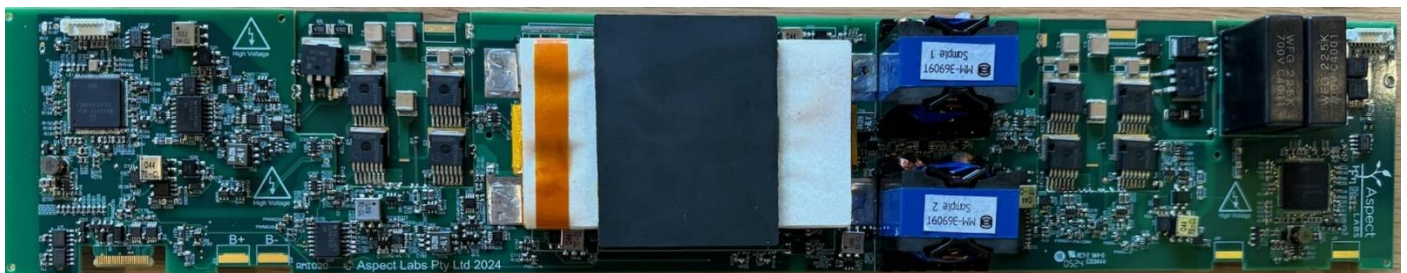
AE400-I4 Technical Specification

The AE400-I4 is a dual synchronous rectifier isolated power module operating as a DC/DC converter to seamlessly provide DC power from solar. The hi-frequency GaN FET design enables an efficient, high-density module requiring minimum cooling and external components.

AE400-I4 operate as independent MPPT unit or can interwork precisely together; increasing the power by as many cards as are linked.

Preliminary Technical Specifications Rev 04:

Battery Nominal Voltage	435 VDC
Operating Range	370 - 460 VDC (128 cells @ 2.9 - 3.6 VDC)
Maximum DC Current	10 A
A Input Operating Range	0 – 550 VDC
Maximum Current	10 A
Peak Efficiency	97 %
Operating Modes	MPPT, Constant Current, Constant Voltage
Rated Power	4000 W
Dimensions	414 mm x 76 mm x 40 mm
Ambient Temperature	-10°C to 45°C – Derated above 45°C
Cooling	Forced Air
Humidity	Max 90% non-condensing
Topology	Isolated, Direct Switch
Format	Cold plug In PCB edge
Interfaces	Edge connector: PulseLink, CAN; DC Terminals: A Input external DC (solar)
Pulselink	Yes - multi card node only
Max Pulselink Cards	100



“B-level pictured”