



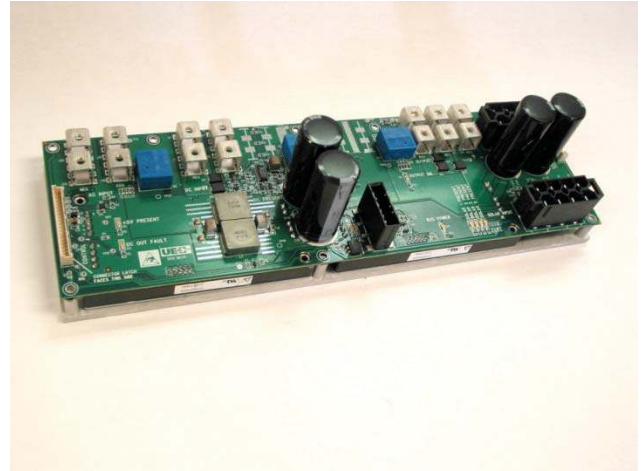
ELECTRONICS

The DC Power Controller is a high efficiency conduction cooled power management interface for harsh environments. The Controller allows the management of DC power from up to ten sources. One input is switchable and includes voltage and current sensing as well as input protection. Power switches are used to maintain uninterrupted power to the load, limit the output voltage range, and provide protection to the internal supplies.

The modular design uses high reliability integrated power bricks to provide up to 1000 watts of clean DC power in a compact form factor. Multiple power paths allow the user to choose either directly coupling the power source to the load for maximum efficiency

PRODUCT SPECIFICATION

1000W DC POWER CONTROLLER



or inserting DC-DC converters for maximum voltage regulation.

GENERAL SPECIFICATIONS

Part Number:

0754B17-001

Electrical:

- Input Types:
 - (1) Switched with voltage and current sensing; OVP, RVP, Diode Isolated
 - (4) Diode Isolated
 - (5) Direct Connect
- Input Voltage: 18-36Vdc
- Output Voltage:
 - Mode 1 - 18-36Vdc
 - Mode 2 - 28Vdc
- Output Current: 40A max.
- Output Protection:
 - Short Circuit
 - Over Current: 120A
 - Over Voltage: 40V
 - Over Temperature: 110°C
- Efficiency:
 - Mode 1 - 98%
 - Mode 2 - 85%

General Specifications:

- Designed to MIL-STD-461E, CE102, RE102, and RS103
- Supply: UL60950-1, C-UL, EN60950-1
- Baseplate temperature range -4°F to 185°F (-20°C to 85°C)
- Remote ON/OFF control

Mechanical:

- Dimensions: 3.8" x 12.4" x 2.5"
- Weight: 3.5 pounds
- Conformal Coated

Reliability:

- MTBF: >50,000 Hours