

iPower -48VDC Power Supply

Product Description

The BlackDiamond 6800 iPower -48VDC Power Supply Unit (PSU) is compatible with all BlackDiamond chassis. This PSU provides the power requirements for current and future BlackDiamond module configurations.

Key Features

- Works in all BlackDiamond chassis
- Load Sharing (When multiple PSUs are present)
- Hot-Swappable

Key Usage Information

- An "on/off" switch (does not act as a circuit breaker) is provided on the front of the power supply. This must be in the "on" position for normal operation.
- The power supply ships with input lugs attached.

Ordering Information

Product Number	Description
50022	iPower -48VDC Power Supply

Specifications

Description	Specification
Input Voltage Range	-48 to -60 VDC
Input Current	60A @ -48VDC
Input Wire Specification	4 AWG
Output Power	1800W maximum

ExtremeWare Requirement

- ExtremeWare Version: 6.1.5b20 or higher

Physical Specifications

- Dimensions (H x W x D): 5.75 x 8.5 x 19 in (14.6 x 21.6 x 48.3 cm)
- Weight: 31.75 lbs. (14.4 Kg)
- Shipping box (H x W x D): 10.25 x 12.25 x 27.25 in (26.04 x 31.12 x 69.22 cm)
- Shipping weight (includes packaging): 35.75 lbs. (16.22 Kg)

Environmental Conditions

- Operating temperature: 0° to 40° C
- Storage temperature: -40° to 70° C
- Operating relative humidity: 10% to 95%, noncondensing
- Operating altitude: -200 to 15,000ft (-60 to 4600m)
- Storage altitude: 35,000ft (11,000m)
- Mean Time Between Failure (MTBF): 240,000 hours

Safety Compliance

- UL 1950 3rd Edition, Listed
- EN60950:1992/A1-4:1997+ZB/ZC Deviations
- IEC 950CB
- Low Voltage Directive (LVD)
- CSA 22.2#950-95
- AS/NZS 3260

EMI/EMC Compliance

- FCC CFR 47 part 15 Class A
- ICES-003A/C108.8-M1983 Class A
- VCCI Class A
- AS/NZS 3548
- EN 55022:1998 Class A
- CISPR 22: 1998 Class A
- EN 55024:1998 includes IEC 61000-4-2, 3, 4, 5, 6, 8, 11
- Low Voltage Directive (LVD)

LED Indicators

LED	Color	Indicates
AC IN	Green	Input voltage is within range
	Amber	Input voltage is outside of range
	Off	Input voltage is below 12V
DC OUT	Green	All DC outputs are operational
	Amber	One or more DC outputs have failed
	Off	Input voltage is below 12V



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