

**iPower 110VAC Dual-Input Power Supply**

## Product Description

The BlackDiamond 6800 iPower 110VAC Dual-Input Power Supply Unit (PSU) features two universal AC inputs and is compatible with all BlackDiamond chassis. This PSU provides the power requirements for current and future BlackDiamond module configurations.

## Key Features

- Universal Input (100-240VAC/ 50-60Hz)
- Works in all BlackDiamond chassis
- Load Sharing (When multiple PSUs are present)
- Hot Swappable
- 99% power factor corrected

## Key Usage Information

- A BlackDiamond will not power up with only one input. Each power supply must have both inputs plugged in.
- Each of the two inputs must be supplied from a separate dedicated power circuit. If both inputs are plugged into the same power circuit there is the risk of overload.
- When powering this supply with 220VAC there is still a requirement for two separate inputs.
- Ships with an L5-20P (Locking) power cord. A non-locking 5-20P power cord can also be used with this power supply.

## Ordering Information

Product Number	Description
50020	iPower 110VAC Power Supply

## Specifications

Description	Specification
Input Voltage Range	100 – 240 VAC
Input Current (each input)	15A @ 100VAC, 7.5A @ 200VAC maximum
Input Frequency Range	50 to 60 Hertz
KVA rating	3.0 kVA maximum
Output Power	1800W maximum
Output holdup time	20 ms minimum
Power Supply Input Plug	IEC 320-C19
Power Cord Minimum Rating	20A @ 125VAC*

\* When using a 110VAC power source. For a 220VAC power source the minimum power cord rating would be 10A @250V

## 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: 33 lbs (15 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): 37 lbs (16.78 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): 130,000 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	Power using 220VAC input
	Amber	Input voltage less than 180VAC
	Off	No input power
DC OUT	Green	All DC outputs are operational
	Amber	One or more DC outputs have failed
	Off	No power



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