

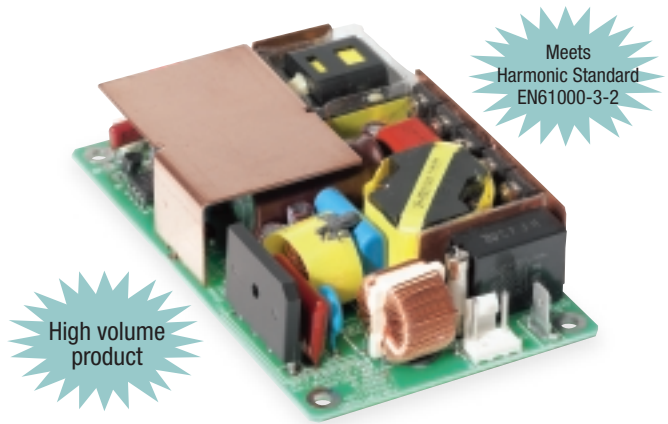
# Open Frame & Enclosed AC/DC switch mode – telecom

**PRELIMINARY**

HYPERION SINGLE OUTPUT 100W

## Features

- Small foot print 3x5 inch (127x76 mm)
- Low height
- Suitable for 1U application
- High efficiency
- PFC built in
- High power density
- High MTBF
- Cost effective
- Suitable for telecom and datacom applications



Minimum delivery quantity 2000 pcs.

Powerbox Hyperion Series is a result of a development project within our custom design resources. The power supply was developed to power up a router in a telecom application. The small foot print and high power density, together with cutting edge technology, makes this 100 watt single output power supply suitable for many demanding applications. Single output versions with 12 volt up to 48 volt can be offered upon request. Consult your local Powerbox office.

## Specifications

### INPUT

Nominal voltage	100 to 240VAC.
Voltage range	90V to 264VAC.
Frequency	47 to 63Hz.
Input current	0.5A to 1.5A
Leakage current	0.5mA max at nominal load and input voltage.
Inrush current	Ipeak <100A at 265VAC.
Power factor correction	The power supply with 100W output complies with EN61000-3-2. For load current between 25% and 100% of the nominal value.
Isolation	3000VAC, 1 s primary-secondary. 10MΩhm insulation resistance 12V primary-secondary.

### OUTPUT

Voltage	See table.
Power	100W at convection cooling.
Efficiency	>85%.
Line regulation	±1% max.
Load regulation	±4% max.
Voltage adjustment	No.
Current adjustment	No.
Ripple and noise	1.6% max p-p.
Transient response	Return to regulation within 1ms (50% to 100% load).
Overcurrent protection	Trip point approx. 120%, auto recovery.
Overvoltage protection	Trip point approx. 120%, shut down.

### ENVIRONMENTAL

Operating temperature	0 to 40°C convection, 0 to 50°C fan cooling.
Storage temperature	-40 to +85°C.
Operating humidity	8-90%, RH non condensing.
Storage humidity	10-90%, RH non condensing.
Cooling	Convection.
Operating vibration	2-200Hz, 0.27G, sweep cycle 10 times, 3 min ea. direction X, Y, Z.
Non-operating vibration	2-200Hz, 1G, sweep cycle 10 times, 3 min ea. direction X, Y, Z.
Shock	20G, 3 shocks on each axis no damage to be sustained.

### GENERAL

MTBF	>100,000 hours at +40°C.
Input connector	Code CN1, Molex part no. 26-60-4030.
Output connector	Code PN1, Molex part no. 09-910600.
Weight	500g.

### STANDARDS

Safety standards	EN60950, UL1950.
RFI/EMI	FCC Class B, EN55022 Class B. EN61000-3-2 Class D. EN61000-3-3. EN50082-1 1997, EN55024 1998.

ARTICLE NUMBER	OUTPUT	POWER
OBL 03 131	12V 8.3A	100W
OBL 03 146	24V 4.32	100W
OBL 03 170	48V 2.1A	100W