

HBC319F SERIES

AC/ DC Power Supply High Voltage Output: 750 Watts



General Specifications

Input Voltage	115 / 230vac (±15%) Selectable by internal link
Frequency	47-63Hz
Input Protection	Reverse polarity protection. Inrush current limiting Input Fuse
Isolation	Input - Output 4300vdc Input - Chassis 2250vdc Output - Chassis 500vdc
EMI	EN55022 class A
Switching Freq.	55KHz
Output voltage	See table
Output Power	750 watts
Voltage adjustment	Customer specified
Redundancy Diode	Optional for N+1 Applications
Regulation	Line / Load : ±1% combined 10% to 100% load
Dynamic Response	5% voltage deviation for 10% to 50% load step with 1msec recovery
Output Ripple /Noise	Typically 1% pk-pk or 0.2% rms 20MHZ BW
Output Protection	Over voltage protection Current limiting (Constant Current) Short circuit protection Thermal protection
Efficiency	Model dependent typically 85%
Operating temp.	0° C to +50°C at 100% load Derate 2.5% per °C to 65°C
Cooling	Built-in fans
Environmental protection	Basic ruggedizing. Extended ruggedizing and conformal coating available as an option
MTBF	Typically 160, 000 hrs
Indicators	Optional LED
Connector	Input terminal block. Output terminal block or threaded studs Other options on request
Dimensions	356 x 156 x 62 mm (FF4)
Weight	2.5kg

Features

- Designed for high voltage output, up to 125vdc
- Rugged design for industrial applications
- Fully isolated input – output 4300VDC
- Over voltage protection
- Overload and short circuit protection
- MTBF > 160,000hrs
- Specials input / output combinations on request.
- N+1 Redundancy –option
- Output DC Fail alarm -option
- Suitable for battery charging applications – Option
- NON Fan cooled 500W unit is also available

Description

The **HBC319F** AC/DC Power Supply is designed for high voltage applications up to 125VDC.

This rugged, industrial quality power supply uses field proven topology. It is a mature design with an excellent track record in numerous applications. It is fan cooled by two built-in fans.

An optional built-in redundancy diode allows parallel connection to achieve higher output power or N+1 redundancy, with output DC Fail alarm.

This chassis-mount design is optimized for low component count and high efficiency. The use of components with established reliability results in high MTBF.

Options

Output Voltage	Special voltage outputs
Terminals	Customer specified connectors
N+1 Redundancy	Output redundancy diode & Alarm
Ruggedizing	Extended ruggedizing and conformal coating available.
Remote Control	Remote ON / OFF

Part No Configuration:

HBC319F-E/48FT (240VAC / 48V 750W)

Series / Power	Input V	Output	Options
HBC319F-	E = 240VAC	12V	40A
		13.8V	40A
		24V	31A
		28V	26A
		36V	20A
		48V	15A
		60V	12.5A
		72V	10.5A
		110V	6.8A
		120V	6.25A
		125V	6A
			Factory Assigned No.

- Output voltage is customer specified, together with any special options / features.