HBL1K SERIES

AC/ DC Power Supply High Voltage Output: 1000 Watts

AMTEX ELECTRONICS PTY LTD
www.amtex.com.au

Features

- Designed for high voltage output 24 ~ 125vdc
- Conduction / Convection cooled- No fans
- Rugged design for industrial applications
- Fully isolated input – output 4300VDC
- Over voltage protection & Overload protection
- Overload and short circuit protection
- MTBF > 160,000hrs
- Specials input / output combinations on request.
- Suitable for battery charging applications - Option
- N+1 Redundancy –option
- Output DC Fail alarm -option
- Suitable for Battery Charging applications

General Specifications

Input Voltage	115 / 230vac (±15%) Selectable by internal link
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	1000 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.	0º C to +50ºC at 100% load Derate 2.5% per ºC to 65ºC
Cooling	Conduction / Convection cooled
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 210 x 64 mm (F6)
Weight	3.2kg

Description

The **HB1K** 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.

Cooling is via the base plate (conduction) and or convection cooling, with no fans, making it suitable for harsh environmental applications.

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.

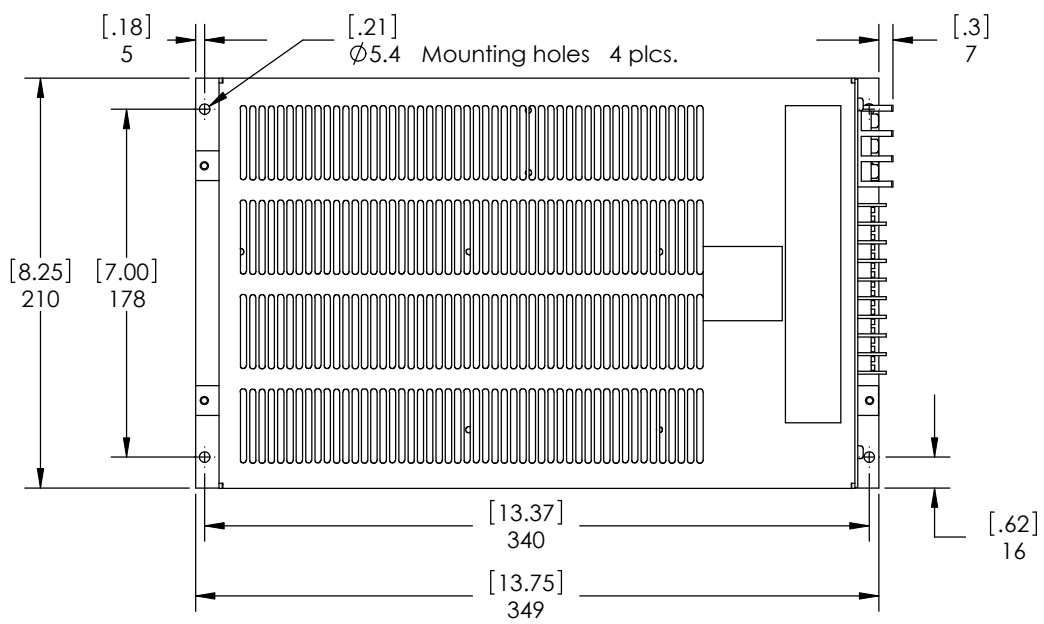
Options

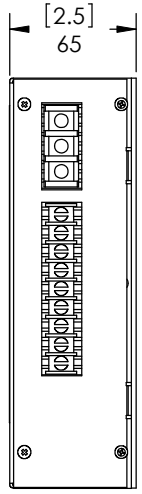
Output Voltage	Special voltage outputs
Terminals	Customer specified connectors
N+1 Redundancy	Output redundancy diode & Alarm
Ruggedizing	Extended ruggedizing and conformal coating available.
Remote Control	Remote ON / OFF

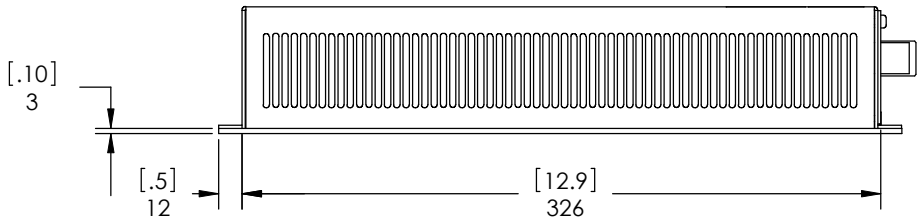
Price & Stock Enquiry

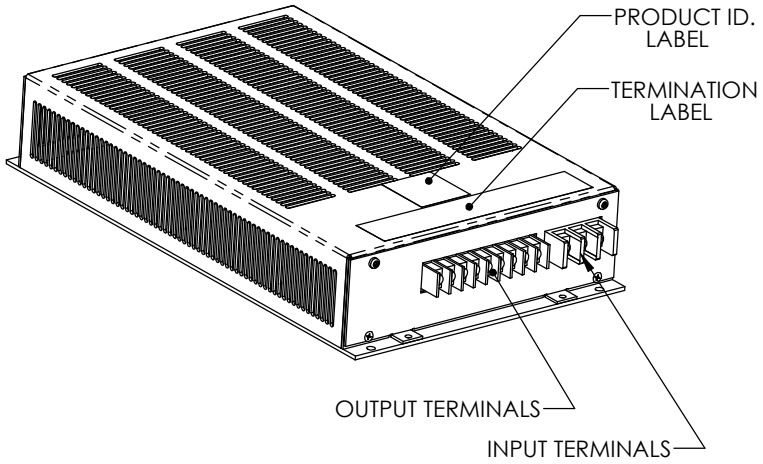
Model	Input V	Outputs V	Outputs A	Power W
HBL1K-24FT	115/230VAC	24V	38A	900W
HBL1K-28FT	115/230VAC	28V	32A	900W
HBL1K-36FT	115/230VAC	36V	25A	900W
HBL1K-48FT	115/230VAC	48V	21A	1000W
HBL1K-56FT	115/230VAC	56V	18A	1000W
HBL1K-110FT	115/230VAC	110V	9A	1000W
HBL1K-125FT	115/230VAC	125V	8A	1000W

- Other voltage options available from 24 ~ 125V.









DIMENSIONS ARE IN MILLIMETERS [INCHES] TOLERANCES ON DECIMALS: XXX ± 0.2mm XX ± 0.3mm ANGLES: ± 2° FRACTIONS: ± 0.4mm UNLESS OTHERWISE STATED	S	Title: OUTLINE DRAWING F6 PACKAGE	''

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