

# HBU1K6 SERIES

AC/DC Power Supplies: 1600 Watts



## Features

- Low profile 1U x 19in rack mount
- 1600 watts output power
- Rugged, industrial quality design
- Over voltage protection
- Overload and short circuit protection
- MTBF > 140,000hrs
- Specials output voltage options
- Any output from 24 ~ 155vdc possible
- **N+1** Redundancy Applications – option
- Output DC Fail alarm -Option
- Battery Charging applications - Option

## General Specifications

<b>Input Voltage</b>	115 /230VAC ( ±15% ) Selection by internal link ( set for 240VAC ) Other voltages on request
<b>Frequency</b>	47 – 63Hz
<b>Input Protection</b>	Inrush current limiting Varistor Internal safety fuse
<b>Isolation</b>	Input - Output 4300vdc Input – Chassis 2250vdc Output – Chassis 500vdc
<b>Efficiency</b>	Model dependent , typically 80%
<b>Output voltage</b>	24 ~ 150V options
<b>Output Power</b>	1600 watts
<b>Parallel Operation</b>	Optional
<b>Voltage adjustment</b>	Customer specified, typically 5%
<b>Regulation</b>	Output voltage dependant Typically: ±3-5%
<b>Output Protection</b>	Over voltage protection Constant Current limiting & short circuit protection
<b>EMI</b>	EN55022 class A
<b>Immunity</b>	EN61000-4
<b>Shock &amp; Vibration</b>	Designed to meet IEC61373 Cat 1 A & B
<b>Operating Temp.</b>	0°C to +50°C at full load. +70°C at 50% load.
<b>Cooling</b>	Fan cooled
<b>Dimensions</b>	1U x 19in x 400mm Rack mount 5.0kg

## Description

The **HBU1K6** Series Industrial AC/DC power supplies, is mainly intended for use with 19in Rack Systems, where a low profile solution is preferred for the installation.

Although there a number of standard 1U power supplies available, the HBU1K6 as an industrial power supply is made to order and designed to customer unique output voltage requirements and features.

Optional ruggedizing & conformal coating is available, for immunity to shock, vibration, humidity, moisture, dust and insects.

In addition, a range of options are available, allowing customers total flexibility to specify a unit that is specific to their application.

## Options

**Output Voltage** Special voltage output, up to 150VDC

**Alarm** Voltage Free contacts – Option **A**

**N+1 Redundancy** Output redundancy diode for parallel operation  
Option - **S**

## Part No Configuration:

**HBU1K6-E/48SA-xxxx**  
( 240VAC / 48V 1600W with Red Diode & Alarm )

Series / Power	Input V	Output V /A		S/A	Options
<b>HBU1K6</b>	<b>E</b> = 240VAC	24	65A	Options	Factory Assigned No.
		28	55A		
		30	53A		
		48	33A		
		55	29A		
		60	26A		
		72	22A		
		110	14.5A		
		125	12.8A		

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