

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

Input Voltage	115 /230VAC (±15%) Selection by internal link (set for 240VAC) Other voltages on request
Frequency	47 – 63Hz
Input Protection	Inrush current limiting Varistor Internal safety fuse
Isolation	Input - Output 4300vdc Input – Chassis 2250vdc Output – Chassis 500vdc
Efficiency	Model dependent , typically 80%
Output voltage	24 ~ 150V options
Output Power	1600 watts
Parallel Operation	Optional
Voltage adjustment	Customer specified, typically 5%
Regulation	Output voltage dependant Typically: ±3-5%
Output Protection	Over voltage protection Constant Current limiting & short circuit protection
EMI	EN55022 class A
Immunity	EN61000-4
Shock & Vibration	Designed to meet IEC61373 Cat 1 A & B
Operating Temp.	0°C to +50°C at full load. +70°C at 50% load.
Cooling	Fan cooled
Dimensions	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
HBU1K6	E = 240VAC	24	65A	Options
		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.