

INDUSTRIAL DIN RAIL POWER SUPPLY 60W

This Din rail style industrial power supply can be mounted on every standard industrial din rail rack. It can be used worldwide and has the maximum power voltage of 60W. It is used in several applications: Information Network, Transportation Systems, Electric System, Industrial Control, Instrumentation, Consumer Electronics, Communication Apparats, Finance Apparats, Navigation Gear, Military Sectors, and so on.



Key Features

- Rail-Style Power Supply
- Universal Input:90-264VAC
- Naturally Air-cooled
- Protection: short circuit/over load/over voltage/over temperature
- Green LED indicator for power on, Red LED indicator for over load/over voltage.
- Dimension: 130x50x90mm

Electrical Specifications

MODEL		BSD-PS60-12	BSD-PS60-24	BSD-PS60-48
Max. Output Wattage		60W	60W	60W
Input	Voltage **	90-264VAC or 120-370 VDC		
	Frequency(47-63 Hz		
	Current(Full load)	1.2Amax.(115VAC) 0.7Amax.(230VAC)		
	Inrush Current	< 15 MAX.(115VAC)/<20A max.(230VAC)		
	Leakage Current	< 1mA/240VAC		
Output	Voltage	12VDC	24VDC	48VDC
	Voltage Accuracy	± 1%	± 1%	± 1%
	Max. Current	5A	2.5A	1.3A
	Line Regulation	± 0.5%		
	Load Regulation	± 1%		
	Minimum Load	0%		
	Typical Efficiency	82%	84%	85%
	Adjustable Extent of Output Voltage	10-14V	22-27V	43.2-52.8V
	Ripple & Noise (max) ***	100mV	120mV	120 mV
Hold-up Time	20 ms min			
Protection	Over Load	105-150% rated output power		
		Protection type: Auto recovery		
	Over Voltage	14.5-17V	29-33V	53.5-56.5V
Short Circuit	Protection type: Auto recovery			

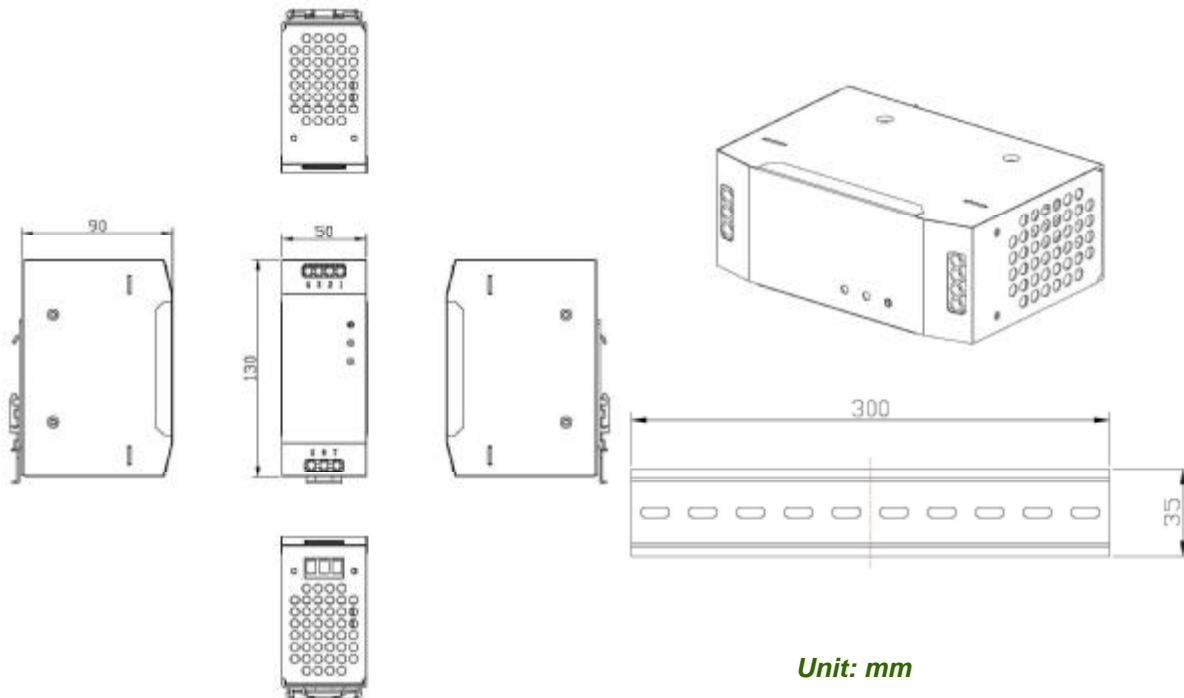
BSD-PS60 Series

Electric Strength	Input-Output	3000VAC
	Input-FG	1500VAC
	Output-FG	500VAC
Isolation Resistance	Input-Output, Input-FG, Output-FG:100Mohms/500VDC	
Environment	Operating Temperature	-10°C to +70°C (Refer to the Derating Curve Picture)
	Storage Temperature	-25°C to +85°C
	Temperature Coefficient	± 0.03%/°C (0°C < T < 50°C)
	Humidity	95%RH
	MTBF	> 50,000h @25°C (MIL-HDBK-217F)
	Vibration	10-500Hz,2G 10min./1cycle,60min.each along X,Y,Z axes
Feature	Dimension	130x50x90mm
	Weight	485g
	Installation	Din Rail TS-35mm
	Cooling Method	Naturally Air-cooled
Safety & EMC	Safety standards	UL60950,EN60950
	EMI(Conduction & Radiation Disturbance)	EN 55011 class B EN 55022 class B
	EMS Immunity	EN55024 EN61000-6-2
	Harmonic Current	EN61000-3-2
Note	<p>*All parameters are measured at rated input voltage 230VAC and in the ambient temperature 25°C</p> <p>** Please refer to the Derating Curve for more details if you made the products under low input voltage.</p> <p>***. Ripple & noise are measured by using a 300mm twisted pair-wire which paralleled of a 0.1uf and 47uf capacitor, at 20MHz of bandwidth with Oscillograph.</p>	

Ordering Information

BSD-PS60-12	Industrial Din Rail Power Supply 60W 12 VDC
BSD-PS60-24	Industrial Din Rail Power Supply 60W 24 VDC
BSD-PS60-48	Industrial Din Rail Power Supply 60W 48 VDC

Mechanical Specifications



Pin No.	Assignment	Pin No.	Assignment
1,2	DC OUTPUT -V	5	AC/L
3,4	DC OUTPUT +V	6	AC/N
		7	FG

Derating Curve

