

## PS Series DC Power Supply



### Features

- Specifically designed to power stepping/servo drivers
- Efficient switch mode design
- Compact size, lightweight
- Output power up to 300W
- Short circuit, over-current, over-voltage & short-voltage protection
- Input voltage in 220VAC
- Simply to operate

### Introduction

The PS series switch mode power supplies are specifically designed to power inductive loads found in stepping & servo motors. The normal regulated switchable power supplies popular in the market are not suitable for use with stepping or servo driving, this is because that the conventional switching power supplies are designed for the constant, unvarying loads of circuit boards. Whereas, when the stepping or servo system running, the driving current varies extremely fast, which is inherent to inductive load, herein the driver and power supplies would be damaged easily. This supply is capable of delivering current to motor drivers without affecting the reliability due to it being unregulated and its high capacitance. By selecting correct model, one supply can be used with 1-3 driver and so the average cost per driver is reduced.

### Electrical Specification

Model No.	Output Voltage	Continuous Current	Peak Current	Input Supply Voltage *	Size (mm)	Weight (gram)
PS407	40V	7A	9A	220VAC±10%	132x104x60	638
PS487	48V	7A	9A			
PS705	75V	5A	7A			

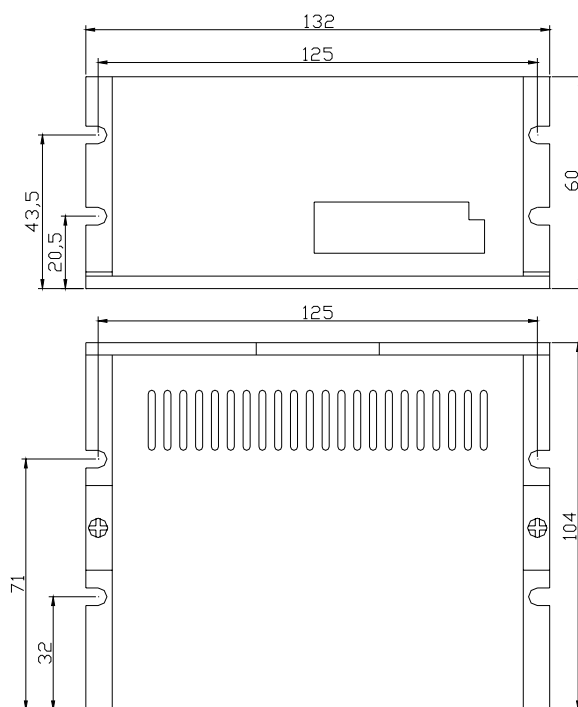
### Operating Environment and Parameters

Cooling	Natural cooling or forced convection	
Environment	Environment	Avoid dust, water, oil frost and corrosive gas
	Temperature	0 – 50 Deg C
	Humidity	40 – 90% RH
	Vibration	5.9m/s <sup>2</sup> Max
Storage Temp.	-40 - +70 Deg C	

## Pin Function

L	VAC Input
N	
E	Ground
G	DC output negative
+V	DC output positive

## Mechanical specifications (unit=mm, 1 inch = 25.4 mm)



## Attention

Over-voltage Protection:

PS407/487/705: when the input voltage higher than 264V, fault LED light and output turned OFF;

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