

# PS Series Linear Supplies

## Features:

- \* Low cost and high reliability
- \* 3 main outputs plus 1 auxiliary output
- \* Short circuit and over-voltage protection
- \* Simple structure
- \* PS405 / PS408 / PS804 / PS806 are available



## Introduction

The PS series linear power supplies are specifically designed to power stepping and servo systems. They have 3 group main output connectors for stepping & servo drives, and 1 auxiliary output (5V/1A, or 12V/1A) for customer use. By selecting appropriate model, one PS power supply can supply 1-3 drivers, saving the average cost of per shaft.

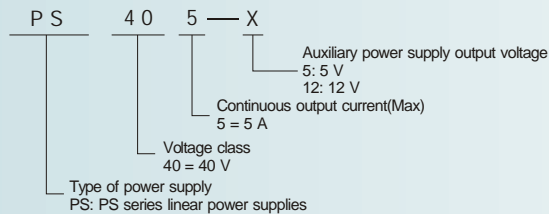
When stepping or servo system running, the driving current varies extremely fast, which is belonged to inductive load, herein the drives and power supplies would be damaged easily if used normal power supplies. PS series supplies are capable of delivering current to drives without affecting the reliability due to their unregulated specialty and bulky capacitors.

## Electrical Specifications

Model	Main Output	Auxiliary Output	Power (W)	Matching Drives	Size/ Weight
PS405-5	36 VDC/ 5A	5 VDC/ 1A	200	DM432/ DM556/ DM856/ DM870 M542/ M752/ M760/ M880A 3DM683/ 3ND583/ 3ND883 DCS810/ DCS810S/ ACS606	175*110*70mm/ 2 Kg
PS405-12	36 VDC/ 5A	12 VDC/ 1A	200		
PS408-5	36 VDC/ 8A	5 VDC/ 1A	300		
PS408-12	36 VDC/ 8A	12 VDC/ 1A	300		
PS804-5	68 VDC/ 4A	5 VDC/ 1A	300	DM856/ DM870 M752/ M760/ M880A	175*110*70mm/ 2 Kg
PS804-12	68 VDC/ 4A	12 VDC/ 1A	300		
PS806-5	68 VDC/ 6A	5 VDC/ 1A	500	3ND883/ DCS810/ ACS806	215*130*70mm/ 3.5 Kg
PS806-12	68 VDC/ 6A	12 VDC/ 1A	500		

\* Above models are our standard products. Please contact **Leadshine** if you need a custom model.

## Part Number



**Note:**

### Auxiliary Output Setting

Auxiliary Output Voltage	PS405	PS804	PS806
5 VDC	Jp1 Short-circuit	Jp1 Short-circuit	R5=510.Ω (1/4W)
12 VDC	Jp1 Open-circuit	Jp1 Open-circuit	R5=180.Ω (1/4W)

### Pin Assignment and Description

L,N (AC, AC)	AC power input.
VH+, VH+, VH+	Main output positive.
VH-, VH-, VH-	Main output negative.
VL	Auxiliary output positive.
VL-	Auxiliary output negative.

### Mechanical Specifications (unit: mm 1 inch = 25.4 mm)

Model	A	B	C	D	E	F
PS405/PS408	175	110	96	94	∅6	∅4
PS804	175	110	96	94	∅6	∅4
PS806	215	130	112	108	∅6	∅4

