




# Selecting Power Supplies

## To Select Power Supplies For Your System:

1. Add all the  numbers together.
2. Select a Power Supply (or power supplies) with a  number(s) equal to or greater than the total  amount.



### Understanding Current Units

Paging systems are made up of equipment that consume or provide operating current. To operate properly, the system needs to provide at least as much current as it consumes.

Each product has a Current Units number. This number is either positive, negative, or zero to indicate how much current it provides or consumes from the system's power supplies.

Note: One Current Unit = 50 mA, 24V DC

## Power Supplies

### Switch Mode and Linear Power Supplies

• UL, all models listed for US; also Canada (except PRS2403)



### Switch Mode Power Supplies

The SPS versions of power supplies use switching technology to provide large current capacities in very small packages. Unlike more conventional linear power supplies that use large and heavy transformers, switching supplies gate energy directly to the storage caps at the power supply output. This is a highly efficient way to convert voltages and because of this the power supplies generate very little heat.

### Mounting Holsters

Most wall-mounted SPS versions of power supplies come with special mounting holsters for easy and secure wall mounting. The holsters are fastened to the wall and then the power supply is slipped in. A broad spring tang ensures the power supply remains snug in the holster. A side-mounted PCB provides a means of breaking out the power supply's cable connector into multiple screw terminals. The screw terminals are also pluggable for added ease of installation.

Model	CU	Ratings	Mounting	Connections	Dimensions	Weight
SPS2454	+108	24V DC @ 5.40A	Holster	Pluggable Terminal Strip	3-1/2" W X 7-3/4" H X 2" D	3 lb.
SPS2425	+50	24V DC @ 2.50A	Holster	Pluggable Terminal Strip	3" W X 5-3/4" H X 1-3/4" D	2 lb.
SPS2410	+20	24V DC @ 1.00A	Holster	Pluggable Terminal Strip	2-1/2" W X 4-1/4" H X 1-1/4" D	2 lb.
SPS2406	+12	24V DC @ 0.60A	Receptacle	Wires, Barrel-Type	2" W X 3-3/8" H X 1-1/4" D	2 lb.
PRS2403	+6	24V DC @ 0.30A	Receptacle	Wires, Barrel-Type	2-1/4" W X 3-1/4" H X 2" D	1 lb.

