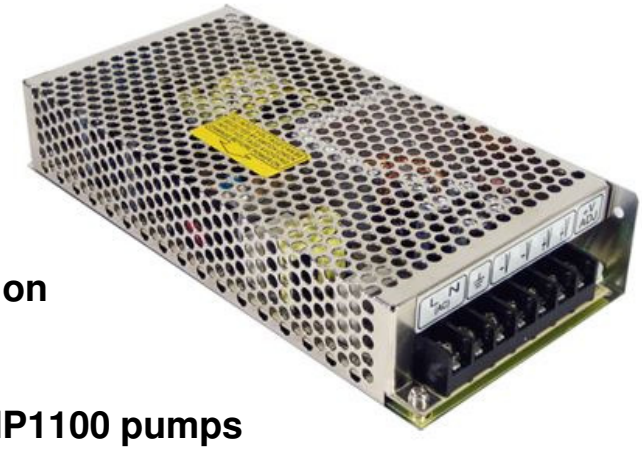
data sheet

Pump Power Options

Open Frame Power Supplies



Features

- High efficiency, long life and high reliability
- Short circuit – overload – over voltage protection
- Operating temperature up to 158° F
- AC line cord and fuse holder included
- Perfect for use with our PM600, HP1000, and HP1100 pumps

Specifications

- Input Voltage: 88-132 or 176-264 VAC selectable
- Output: 12 VDC – 12.5 amps – 150 watt – model PSOF12.125
- Output: 24 VDC – 6.5 amps – 150 watt – model PSOF24.65
- Weight: 1 pound 7 ounces
- Dimensions: 8.00 x 4.00 x 1.625 inches

Medical Laboratory Power Adapters

Features

- Rugged sealed construction
- UL/CE listed
- High reliability – tested for 100k on-off cycles
- Regulated output – LED indicator
- Perfect for use with nearly all of our 12 volt pumps that draw less than 5 amps

Specifications

- Input voltage: 100/240 volts AC 50-60 Hz
- Output: 12 VDC – 6.0 amps – 72 watt – model PAD12.6
- Output: 12 VDC – 3.0 amps – 36 watt – model PAD12.3
- Weight and dimensions vary slightly by model

Simply Pumps™.com

724-864-5959

data sheet

Pump Power Options

Batteries and Battery Supplies

We receive many battery related questions and emails. Most any DC pump can be powered by one or more batteries. They can be common household batteries or more sophisticated rechargeable batteries. Assuming your batteries match the voltage of your pump, the most important consideration is run time (how long the pump will run before the batteries die or need recharged). Our battery basics are as follows:

- Multiply the number of household batteries grouped in a battery holder by 1.5 to calculate the output voltage. An 8 cell battery holder has an output of 12 volts. Most rechargeable batteries are 1.2 volts so 10 batteries would be required to achieve a 12 volt output.
- The physical size of the battery is a good indication of run time. The bigger the battery, the longer the pump will run. Common 9 volt transistor and AAA batteries are generally too small to power any of our pumps. To calculate run time you will need to know the milliamp hour rating (mAh) and the amp or milliamp rating of the pump. The typical mAh rating of common batteries can be found here:
https://en.wikipedia.org/wiki/List_of_battery_sizes
A simple battery life calculator can be found here:
https://www.easycalculation.com/physics/classical-physics/battery-life.php
- Two battery holders can be connected together to achieve different output voltages or longer run times. When two battery holders are connected in series, the voltage doubles and the run time stays the same. When connected in parallel, the run time doubles and the voltage remains the same.

Although we no longer have battery holders on our website, we stock many varieties for the convenience of our customers. If your application requires batteries or accessories, simply give us a call and witness first hand, our exceptional customer support.

Simply Pumps™.com

724-864-5959