Wall Plug Power Supplies

Velocio Wall Plug Power Supplies

Velocio offers two different "wall plug" power supplies. These are inexpensive power supplies that are ideal for use with Simulators. They are also an effective solution for may system applications. These, along with certain cables, are the only products sold by Velocio Networks, which we do not manufacture. We import them in high volume and sell them individually.

The 5 volt power supply, PS-5V-2A-1, is a traditional "wall wart" supply. As shown in the picture on the right, it plugs into any 120VAC outlet, directly. The power output is rated at 5V and up to 2 amps. This supply can directly power any Velocio PLC or output Terminal Block module. The two amp current rating is high enough that it has sufficient capacity to supply power to multiple devices.

If you wish to power multiple PLCs and Terminal Block outputs from a single PS-5V-2A-1, you will need to place some kind of a 1 to many splitter in your design. Be sure to review the worst case specifications of every device to be powered when designing the supply circuit.

The second Velocio power supply, PS-12V-2.5A-1, is a 12V supply, intended to be used with an SP06 Voltage Regulator Module. This supply is a "power adapter". It includes an electrical cord that plugs into a standard 120VAC outlet on one side and the adapler on the other. The adapter converts the input AC power to 12VDC, at up to 2.5 amps. Since Velocio PLCs and Terminal Block modules required 5V power, the output of the PS-12V-2.5A-1 is intended to be the source supply to the SP06 Voltage Regulator module.

Caution : Do not connect the 12V output power from this supply to a Velocio PLC or Terminal Block Module.

Specifications :

◊ **PS-5V-2A-1**

Connection :	Direct, 2 prong plug into power outlet
Input Power :	110 - 240VAC, 50/60Hz
Output Power :	5VDC @ 2amps
Power supply type :	Switching
Case dimensions :	2.5mm x 0.8mm
Supply cord length :	46 inches
Supply cord termination :	Stripped and tinned bare wire
Supply cord wire color coding :	Red = +5V, Black = 0V

◊ **PS-12V-2.5A-1**

Connection :	Power cord, with 2 prong power outlet plug
Cord length :	5 feet
Input Power :	100 - 240VAC, 50/60Hz
Output Power :	12VDC @ 2.5amps
Power supply type :	Switching
Case dimensions :	5.5mm x 2.1mm
Supply cord length :	42 inches
Supply cord termination :	insulated wire
Supply cord wire color coding :	Red = +12V
	Black = 0V