

1794 FLEX I/O

Power Supplies

The I/O modules are interfaced to the I/O link through an I/O adapter module with a built-in 24V DC input power supply. The I/O modules receive power from the adapter/power supply through the backplane. The 120V AC to 24V DC power supply (1794-PS13 or 1794-PS3) is also available for powering the adapter/power supply. (When providing power for the 1794-FLA extended-local I/O FlexLogix adapter, treat the adapter as a communication adapter, not as an I/O module.)

Cat. No.	Power Supply Input Voltage, Nom.	Power Supply Input Power	Apparent Input Power, Max.	Transformer Load, Max.	Output Current, Max.	Output Voltage, Nom.
1794-PS3	120V/220V AC	86 W	205VA	250VA	3.0 A*	24V DC
1794-PS13	120V/220V AC	36 W	53VA	90VA	1.3 A	24V DC

* Horizontal mount; 2.8 A all other mounting.

Power Requirements and Transformer Sizing

These graphs display backplane power load.

- Use the real power value in watts for determining the amount of heat dissipation you will have inside the enclosure.
- Use the apparent power value in VA for estimating power distribution sizing.
- Use the transformer load value in VA of each power supply plus all other loads on a transformer to determine the required transformer size.

1794-PS3
ac/dc

output
current
load

