



PF-420

TECHNICAL DESCRIPTION

The Powerframe 420 shall be housed in a magnetic shielding NEMA steel enclosure. It shall operate from 120 volts AC and have a barrier strip accessible through knock-outs in the enclosure for hardwiring power input and output connections. Overall dimensions shall be 16.0" H x 12.0" W x 4.0" D. Weight shall be 30 pounds. The Powerframe 420 shall have a load rating of 20 amps per circuit at 120 volts (80 amps total), a self-test circuit with visual indicator, and provide EMI/RFI filtering. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		PF420
Load Rating		20A (x4)
Voltage Rating		120V
Power Requirement (no load)		4 W
Input/Mains Plug Type		Terminal Strip
Input/Mains Cord Length		None
# of Receptacles		4
Receptacle Type		Terminal Strip
Maximum Applied Surge Voltage		6000 Volts *
Maximum Applied Surge Current		Unlimited (due to current limiting) *
Maximum Applied Surge Energy		Unlimited (due to current limiting) *
Endurance (C62.41-1991 category B3 pulses)		1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000
EMI/RFI Filter	Normal mode (50Ω load)	> 20 dB, 39 kHz – 50 MHz > 30 dB, 150 kHz – 50 MHz 25 dB @ 100 kHz; 45 dB @ 300 kHz; 67 dB @ 3 MHz; 35 dB @ 30 MHz
	Common Mode (50Ω load)	> 10 dB, 290 kHz – 50 MHz > 20 dB, 1.9 MHz – 7.875 MHz > 30 dB, 4.2 MHz – 5.125 MHz 10 dB @ 300 kHz; 17 dB @ 1 MHz; 30 dB @ 5 MHz; 14 dB @ 20 MHz
Under-Voltage Auto Shutdown		No
Over-Voltage Auto Shutdown		No
Over-Current Auto Shutdown		None
Over-Temperature Auto Shutdown		None
Network Port		No
Serial Port		None
Temperature Sensor Input		None
BTU/h Max		800 BTU/h
Auxiliary Relay Outputs		No
Contact Closure Input		No
Dimensions		16.0" H x 12.0" W x 4.0" D
Weight		30 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Conforms to UL Std 1283 Certified to CSA Std C22.2 No. 8

* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

** Specifications subject to change without notice

Specifications Version: ESP-SRX_Product_Specs_Master 03.05.21.xlsx

