

SAFETY MANAGER PSUNI2424

Product Data Sheet

FC-PSUNI2424 SPS6061-LF

Safety Controller Power Supply

MAXIMUM OUTPUT POWER	NOMINAL AC INPUT	OPERATIONAL AC INPUT RANGE	INPUT FREQUENCY RANGE
600 W	100 to 120 V or 220 to 240 V	85 to 265 V	45 to 66 Hz

Honeywell FC-PSUNI2424 SPS6061-LF is a switched-mode power supply for the Safety Manager platform. It supplies regulated DC power to compatible safety-controller equipment in engineered industrial process systems.

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VERIFIED TECHNICAL DATA

Maximum output power	600 W
Nominal AC input	100 to 120 V or 220 to 240 V
Operational AC input range	85 to 265 V
Input frequency range	45 to 66 Hz
Static DC output	25.7 V unloaded; 25.1 V at 24 A
Continuous output current	0 to 24 A
Peak load allowance	50 A for 200 ms
Maximum inrush current	60 A
Typical full-load efficiency	87% at 230 V AC
Typical output ripple	20 to 40 mV

ADDITIONAL PRODUCT DATA

Minimum mains hold-up	50 ms
Maximum parallel units	8
Operating temperature	-40 to 70 deg C, subject to derating
Single-unit temperature derating	-0.6 A/deg C above 60 deg C
Input-to-output isolation test	3750 V AC for 1 minute

DOCUMENTED USE SETTINGS

Chemical and Petrochemical Manufacturing and Production: Industrial Chemical Batch Production.

Oil Refining and Natural Gas Processing: Petroleum Refining Process Automation.

Electric Power Generation and Energy Production: Thermal Electric Power Generation.

SYSTEM COMPATIBILITY

Use FC-PSUNI2424 SPS6061-LF in its documented Safety Manager PSUNI2424 arrangement. Compare the installed connections and controlled system configuration before integrating the supplied item.

PRODUCT EVIDENCE

Honeywell Safety Manager R162 Hardware Reference EP-SM.MAN.6284 Issue 2.1, 12/2023; PSUNI2424 pp.187 to 191 and 197 to 200