FEATURES
- AC inputs - 230VAC or 3PH 208VAC
- 110V or 135V Programmable Output
- 7200W Peak Power @ 70C
- 85% Efficient
- Over Current & Voltage Protection
- Operational Redundancy with two Units
- Operates from -30C to +70C
- No Cooling Fans Required
- AAR Binding Post Wire Connections

DESCRIPTION
The Trilogy Products Switch Machine Power Supply is a 19” rack mount, high efficiency, switch-mode power supply that provides an output voltage range of 110V to 135V. Any output can be achieved within the specified range by the user utilizing a potentiometer on the display board. The unit operates from single phase 230VAC or 3PH 208VAC at full power in ambient temperatures of -30C to +70C without cooling fans. Over the temperature and input voltage range and with load transitions from 0% to 100%, the power supply will maintain the output voltage within +/-5% of nominal.

In switch machine applications, high power draw only lasts for the time it takes to move the switch. The peak power rating of the Trilogy Products Switch Machine Power Supply is defined as 30 seconds at 7200W. The intention is for one switch machine power supply to be able to provide 60A of peak current.

The SiPS-120V-7200W offers operational redundancy when paired with a second unit. This ensures that a failure of one supply will cause the entire load to be sourced from the redundant supply. In normal operation, each supply shares the load by the tuning of their respective potentiometers.

The SiPS-120V-7200W has several protection features to insure safe operation. These include input under-voltage lockout, over current limit with auto-restart and over-voltage protection. The power supply is designed to protect itself from short circuit or overload currents and it is designed to protect the load from internal supply failures. The unit will reduce its output voltage when a current of 120% of maximum or greater is required. If the current continues to rise, the voltage will eventually reach an under-voltage condition, causing the power supply to shutdown. If the fault condition clears, the power supply will automatically begin normal operation. If it does not clear, the power supply will remain in a shutdown state.

ELECTRICAL SPECIFICATIONS
- Input Voltage ………………….. 230VAC or 3PH 208VAC
- Output Voltage …………………. 110V-135V
- Maximum Peak Output Power …………. 7200W
- Min Operating Temperature …………… -30°C
- Max Operating Temperature …………… +70°C
- Alarm Relay Contact Rating …………… 5A
- Output Voltage Regulation …………… +/-5%

MECHANICAL SPECIFICATIONS
- Height ……………………………… 14in (8U)
- Width ……………………………… 19in
- Depth ……………………………… 19in

ORDERING INFORMATION
SiPS-120V-7200W