

General Specifications

PSC500 Power System Controller

Myers PSC500 is a modular central office and remote site power system controller designed to provide the user valuable site information including DC power system control, alarm and metering. The remote access capabilities of the PSC500 provide secure access to your site via Ethernet TCP/IP.

The PSC500 controller is designed for use with a variety of Myers DC power systems. The PSC500 unit monitors and controls the operation of the DC power systems' rectifier(s) via analog or digital interface and is also used to remotely monitor other vital site equipment such as batteries, generators, transmission equipment, HVAC, site security, and tower lights.

Standard Features:

- Web-based access via Ethernet
- User-definable inputs
- Email notification of alarms
- Front panel voltage and current test points
- Rectifier communication via analog or digital interface
- Rectifier current and output power measurement (PSC500-S model)
- Battery discharge test
- LCD (PSC500-H model)

Optional Features:

- Battery runtime monitor
- Temperature compensation with midpoint voltage measurement
- Rectifier current, and output power measurement
- LCD (PSC500-S, PSC500-T models)



PSC500-H Controller Module



PSC500-T Controller Module



PSC500-S Controller Module

Model Summary

Model Number	Applications
PSC500-S	For use with 168-watt rectifier systems, 2U integrated power shelf. 24V or 48V systems.
PSC500-T	For use with 1400-watt rectifier systems, 3U integrated power shelf. 24V or 48V systems.
PSC500-H	For use with rack or cabinet mount DC power systems. 24V or 48V systems.

Specifications

Front Panel Indicators and Adjustments

- Four tri-color LED indicators:
 - System status Normal/Minor/Major
 - AC status Normal/Minor/Major
 - Battery status Normal/Chk Batt/DC Low Voltage
 - Operational mode Float/Boost/OVP
- Adjustments:
 - Float voltage level [V]
 - Boost voltage level [V]
 - OVP (overvoltage protect) [V]
- Mode selection push buttons
- Voltage and current readings test points
- RJ-45 Ethernet connector

Auxiliary Inputs

Four supervised contact closure inputs. Configurable for alarm on open or alarm on close. Typically inputs from contact closures such as door switches, pressure switches, relay contacts, breaker auxiliary switches. Supervised inputs recognize missing sensor and triggers an alarm on broken sensor.

System Measurements

- System voltage
- Battery current (option)
- Battery midpoint voltage (option)
- Temperature(s) (option)

Temperature Sensors

- Controller internal ambient temperature (standard)
- Battery temperature (with temp/comp midpoint alarm option)

Alarm Outputs (Isolated/Form C Relays)

Alarms	S	T	H
AC	✓		✓
Battery	✓		✓
Current	✓		✓
Distribution/Low Voltage	✓		✓
System (combination Major and Minor)	✓		
Major		✓	
Minor		✓	
Boost Mode Indicator		✓	

Notes: 1. Controller model -S includes 5 Form C relays.

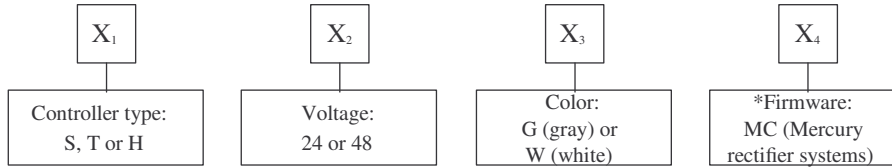
2. Controller model -T and -H includes 7 Form C relays.

3. The relay functionality is controlled by software and may depend on firmware version used.

Order Guide - Model Number Generator

Data subject to change without notice.

PSC500



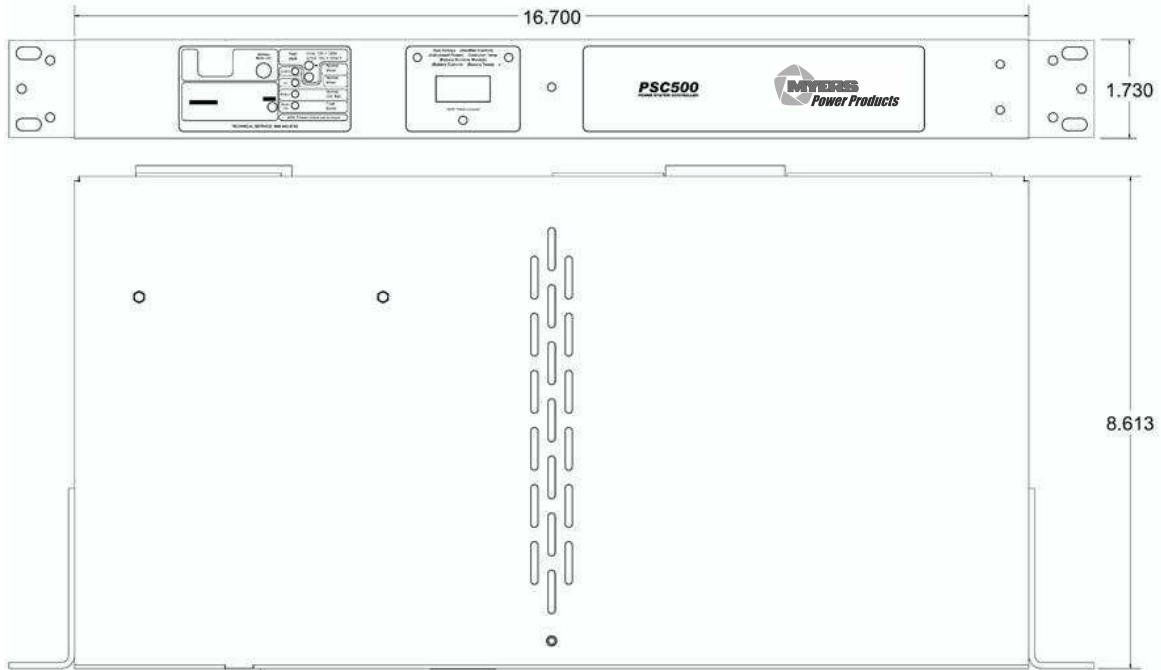
Examples:
 - PSC500T48W
 - PSC500S24G
 - PSC500T48WMC

* If choosing a controller for use with Magnum or Millennium rectifiers, leave blank. No entry denotes standard firmware.

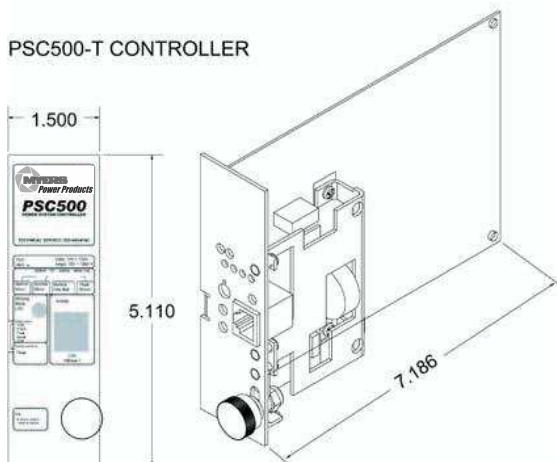
Outline Drawing and Dimensions

All dimensions in inches.

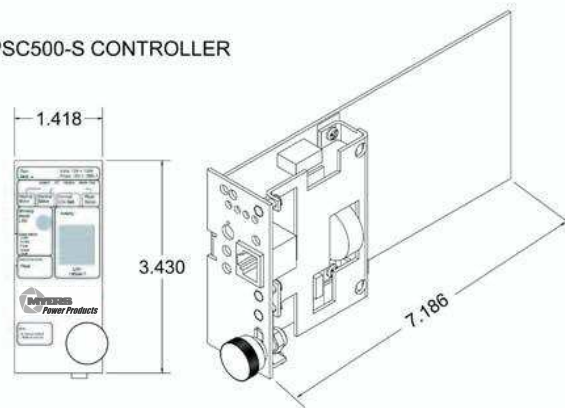
PSC500-H CONTROLLER



PSC500-T CONTROLLER



PSC500-S CONTROLLER



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