

EMERGENCY POWER FUEL SYSTEMS

PowerPlex C600 Critical Power Source

General Description

The C600 PowerPlex Unit is a single point connection for critical fuel system equipment. The unit accepts 1 or 2 power input units with automatic transfer for dual power systems. The PowerPlex unit includes control power transformer and circuit breakers for Earthsafe Controllers, Veeder Root Tank Monitors, and other accessory equipment. The unit includes pump motor starters, manual disconnects, and overload protection for 2-8 pump motors.

The integral PLC controller monitors all power system functions and provides operator information through the touch screen display. The Controller networks with other system controllers using Ethernet, and directly to Building Management Systems with an option of BACnet, Modbus, Metasys N2, or Lon protocols.

Performance Characteristics include:

- Dual (or Single) Power Source Feed 208 VAC – 1 Phase or 230/480 VAC – 3 Phase
- Auto-Switch on Dual Power Source
- Single point connection for Fuel System Equipment
- Control Power Transformer and Circuit Breakers
- Pump Motor Starters with Manual Disconnect and Overload Protection
- PLC Based Power Monitoring for Power Source Status, Voltage, and Current Draw
- Power Monitoring and Reporting for Control Circuit Breakers and Motor starters
- Integration with other Earthsafe Controllers and BMS Systems

Control Specification	
Power	120 VAC / 15 AMP / 60 HZ
Enclosure	NEMA 4 24 IN Wide x 36 IN High x 8 IN Deep 610mm x 915mm x 205mm Color RAL 7035 Light Gray
Environmental	32 to 131 F (0-55C) -30 F Rating with Optional Heater
Monitor Display	6 inch (150 mm) Touch Screen
Data Output	BACnet, Modbus, Metasys N@, or LON
Approvals	UL
Power Inputs	Single or Dual Power Feeds Rated Power Input Disconnect Switch
Power Outputs	(3) 120 VAC / 5 AMP Circuits for External Control Power and Monitoring 2 – 4 – 6 – or 8 Motor Circuits HP = 0.50, 0.75, 1.00, 1.50, 2.00, 3.00, 5.00 208 VAC-1 PH, 240 VAC-3 PH, or 480 VAC-3 PH To Match Input Power Voltage Motor Circuits with Internal Disconnects, Overload Protection, and Current Sensing
Monitored Conditions	Input Voltage Input Current Primary Source Status Secondary Source Status Control Power Status Control Power CB Status Pump Motor Starter Enable Status Pump Motor Starter Active status Pump Motor Overload Status Pump Current Sensor Status
Programmable Outputs	8 Programmable Dry Contact Outputs
Options	01 Heated Enclosure 02 Less Monitor Display (CentraPlex System Control)

Ordering Information

M600.MM.XX.YY

PowerPlex Critical Power Source

MM=21 208 VAC-1 PH Power Input
MM=23 240 VAC -3 PH Power Input
MM=43 480 VAC -3 PH Power Input

XX=02 2 Pump Motor Circuits
XX=04 4 Pump Motor Circuits
XX=06 6 Pump Motor Circuits
XX=08 8 Pump Motor Circuits

YY=02 2 KW Rated Capacity
YY=04 4 KW Rated Capacity

Earthsafe Systems, Inc.
7553 S. Madison
Willowbrook, IL 60527

T: (630) 794-5100
F: (630) 794-5106

info@earthsafe.com
www.earthsafe.com