



ASCO Power Technologies™

ASCO Critical Power Management Appliance Overview

ascopower.com

Life Is On

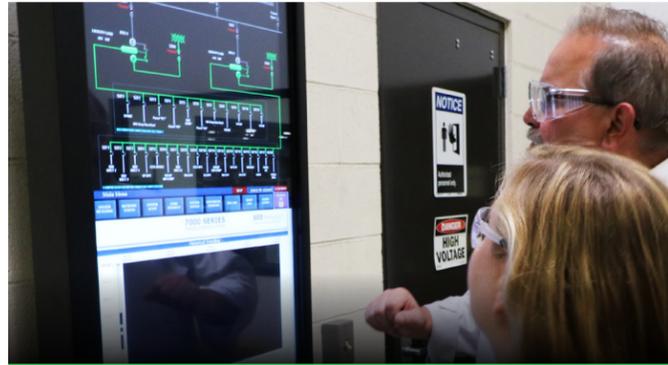
Schneider
Electric

Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Challenges



Learning of power issues quickly



Seeing equipment status for quick response



Evaluating prior power events



Testing systems for readiness and compliance



Operating equipment remotely

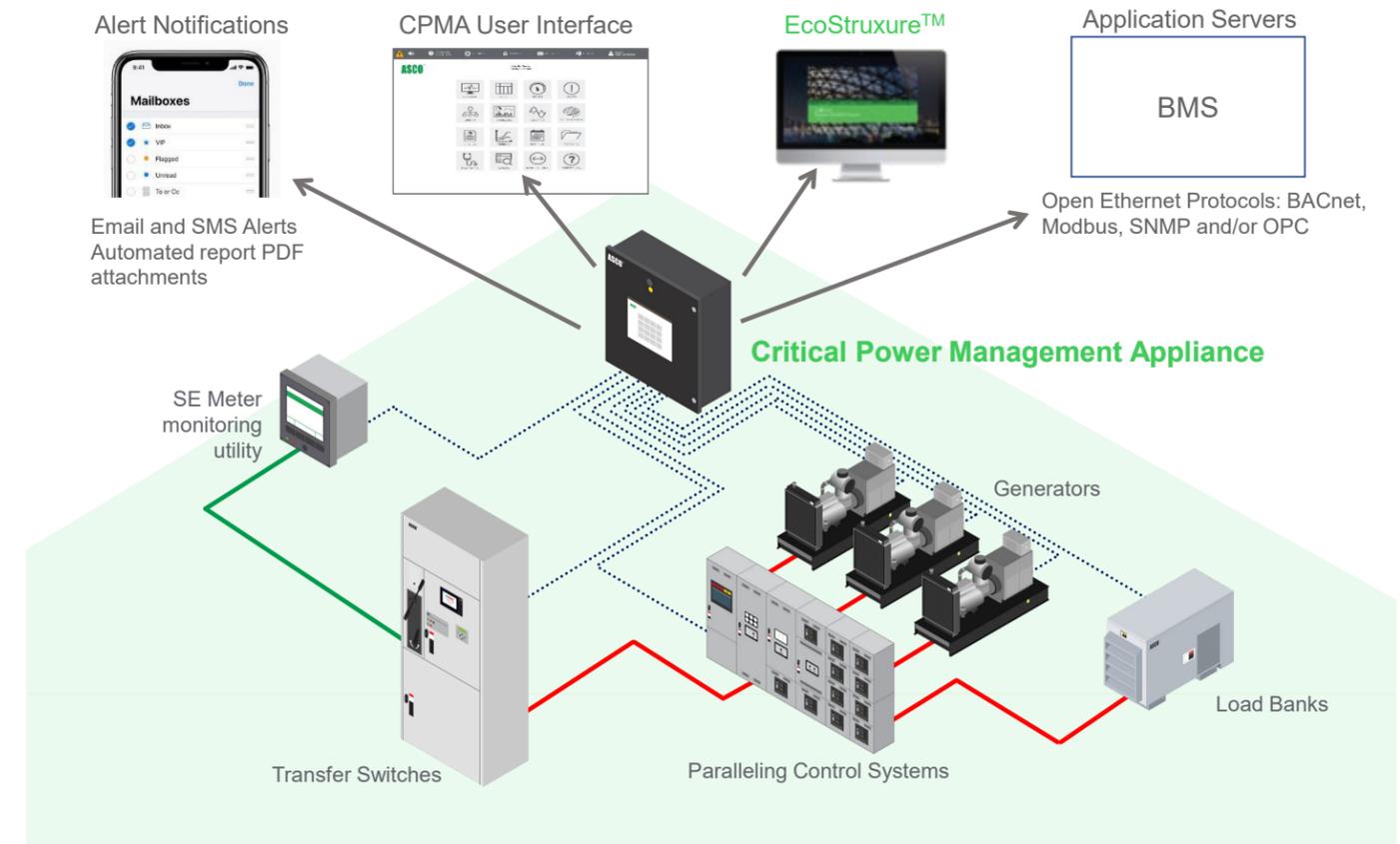


Integrating equipment from multiple manufacturers

ASCO Solutions

ASCO Critical Power Management Appliances (CPMA) provide scalable solutions for managing engine-generators, transfer switches, paralleling switchgear, load banks, and circuit breakers. They optimize power device monitoring and control in the following ways:

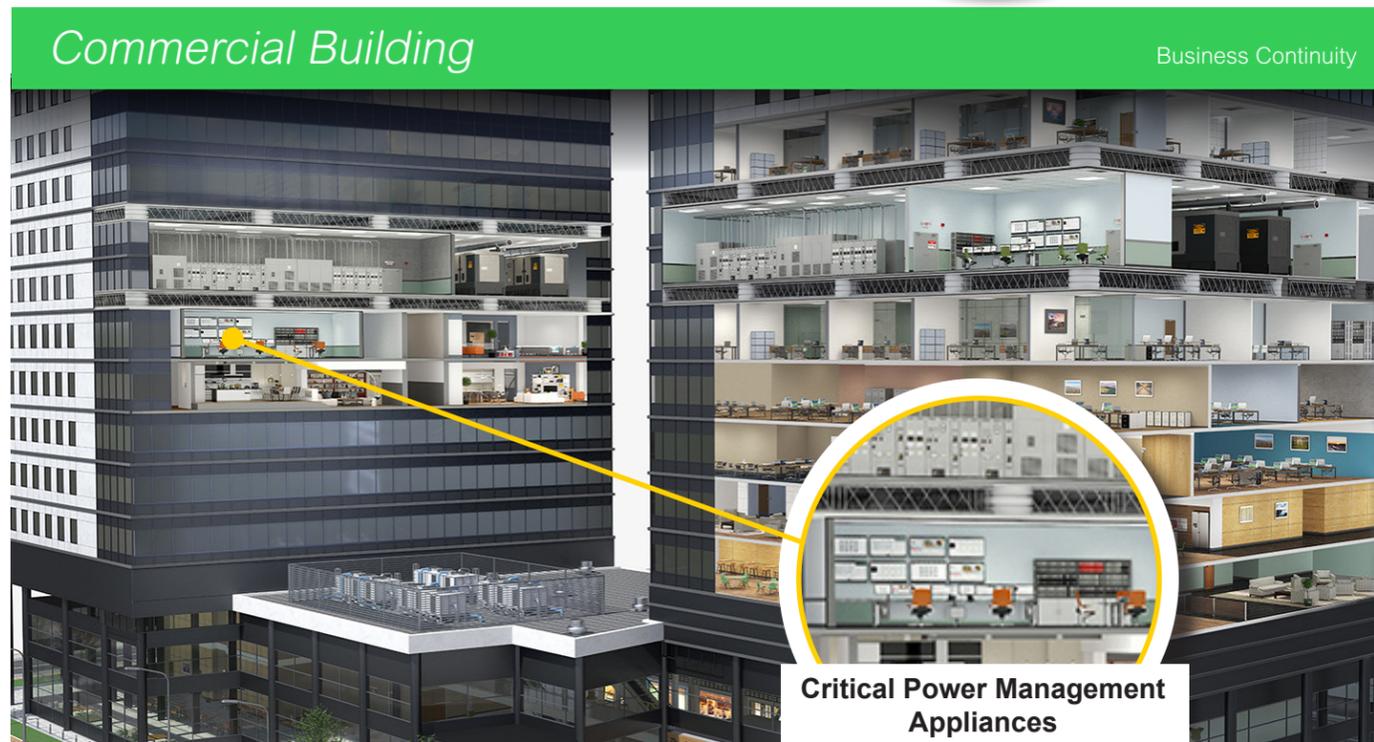
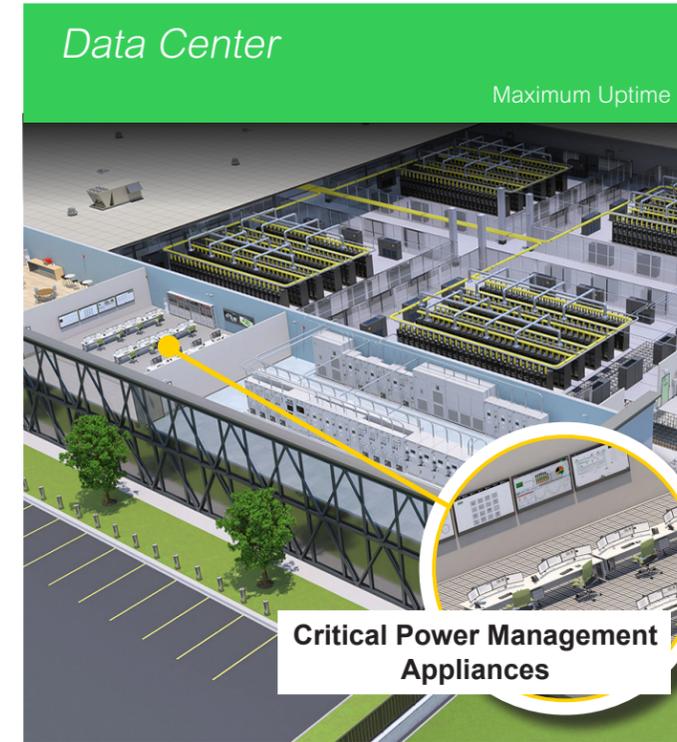
- Automatically log power events and evaluate equipment performance
- Quickly notify users of power conditions and events via email and text messages
- Show real-time power equipment status and metrics through computers, tablets, smart phones, and ASCO annunciators
- Enable equipment operation for remote or off-site locations for greater safety
- Speed installation and integration with power devices from multiple manufacturers using pre-configured device maps for communicating with equipment from multiple manufacturers
- Use open protocols to integrate critical power equipment monitoring with a building management system or Schneider Electric's EcoStruxure solution



What do these challenges have in common?
All of them can be solved by ASCO Critical Power Management Appliances.

ASCO Solutions

Critical Power Equipment for a Wide Range of Applications



CPMA Solutions

Annunciators



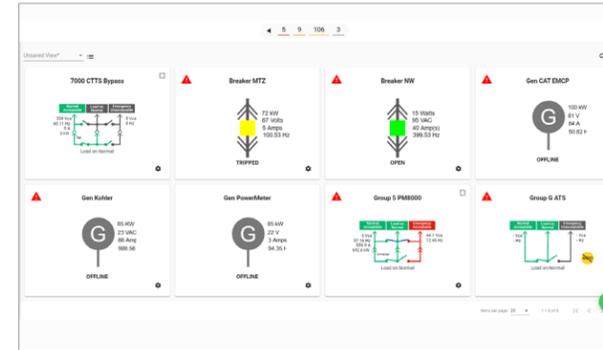
Consolidate transfer switch and generator annunciators into a single touch-screen solution with advanced reporting, logging, and notification capabilities.

Gateways

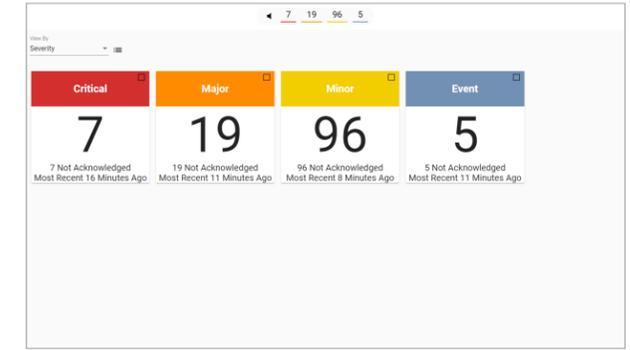


Monitors multiple transfer switches, paralleling gear, and generators. Preloaded device maps speed integration of equipment operating software with EcoStruxure™ or Building Management Systems for fast installation.

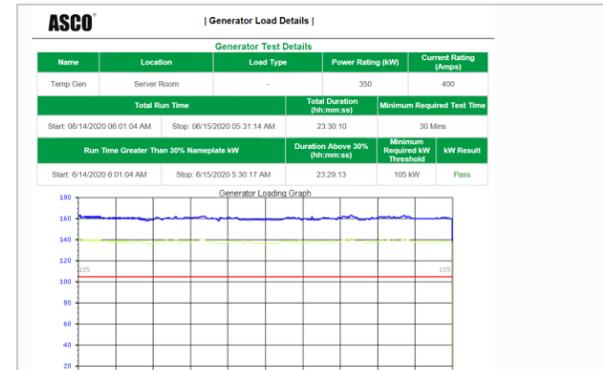
Sample CPMA Screens



Real-Time Monitoring & System Visualization



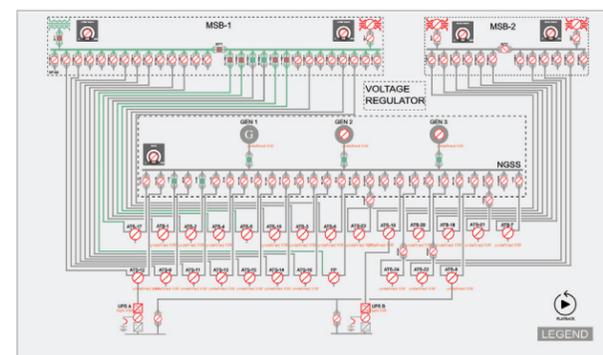
Alarming & Notification



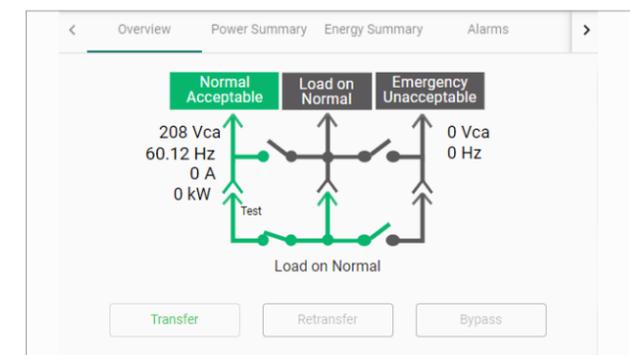
Automated Test Reports

Event Name	Status	Occurred Date	Acknowledged Date	Acknowledged By	Dismissed Date
Over Phase	Breaker WW	8/22/1 3:27 PM			8/22/1 3:27 PM
Over Frequency	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Voltage Unbalance	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Over Voltage	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Under Voltage	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Over Current Neutral	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Current Unbalance	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Over Current Phase C	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM
Over Current Phase B	Breaker WW	8/22/1 3:27 PM			8/22/1 3:28 PM

Event Logging



One-Line Diagram with Playback



Equipment Operation



Critical Power Management platform makes it easy to see, evaluate, and respond to real-time power events and conditions.

CPMA Gateways

All Benefits in a Single-Device Solution

5701 | 8-Device Gateway



Mounts inside an ASCO Transfer Switch to monitor its operation and the status of generators, load banks, and other power devices.

5702 | Facility Gateway



Enables communication between power equipment with options scaled for size and redundancy. Provides a unified interface for monitoring power equipment.

- Bridges OT and IoT
- Provides a full suite of tools to manage power usage, assess power data, and respond to real-time conditions

Product Details

[5701 8-Device Gateway](#)

[5702 Facility Gateway](#)

[5705 8-Device Annunciator](#)

CPMA Annunciators

Monitor Critical Power Devices from Remote Locations

5705 | 8-Device Annunciator



Consolidates annunciators for up to 8 devices onto a single, wall-mountable, touch-screen interface

- Monitors and displays critical information from engine-generators, transfer switches, and load banks
- Provides for remote testing of power generators and transfer switches
- Works with engine-generators from every major manufacturer

Metering

ASCO Power Meters monitor, display, and communicate the key data needed to make key decisions about power utilization and load planning.

5211/5212 | Power Meter



ASCO Model 5211 is ASCO's standard solution for providing deeper visibility into the electrical conditions within power devices.

- Integrated monitoring for Ethernet and RS485 networks
- Accepts 24VDC or 120VAC operational power

ASCO Model 5212 is a more comprehensive solution. This unit includes the features of the 5211 and adds digital inputs and outputs for monitoring additional equipment.

PM8000 | PowerLogic Meter



Schneider Electric's compact, high-performance, power meter simplifies power quality monitoring and maximizes versatility.

- Reveal and understand complex power quality conditions
- Gather and act on facility-wide energy and consumption data
- Integrates easily with energy management systems

For additional information, see the [PM8000 brochure](#).

Connectivity and Communications

ASCO Connectivity Units make it is easy to create fast, effective, linear monitoring networks.



MODEL	TYPE	CONNECTS	PRODUCT INFORMATION
5160	Remote Connectivity Unit	Up to 14 Ethernet Devices	5160 CPMA Connectivity Units Pub 2057
5161	Serial Connectivity Unit	Up to 4 RS-485 Devices	
5162	IO Connectivity Unit	Up to 60 Hardwired Devices	
5163	Hybrid Connectivity Unit	Up to 14 RS-485 or Hardwired Devices	

“The CPMA displays the functionality of a building’s power system better than the LED indicators we previously used. When power incidents happen, minutes matter ... there are patients on the other end of that incident.” Patrick D, Healthcare Facility Manager

Life Is On

Schneider
Electric™

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