ASCO PowerQuest® Power Monitoring and Control Systems
The Power to Know

It’s all about the need to know...

Your need to know what’s happening with your facility’s on-site power and distribution system. That includes automatic transfer switches, generator paralleling control switchgear, gensets, circuit breakers, paralleling bus, protective relays and other gear.

It’s not only to know, but to understand. To act. To solve issues when seconds count.

Your need to know about equipment condition, operation and status is more critical than ever. Essentially, to make sure that all equipment and components are healthy and “playing nice.” That’s especially important as system complexity and sophistication increase.

Knowing can help ensure power reliability for critical operations, and thus continuity of those operations. To make sure when questions are asked, you have answers.

Now there’s a way to get exactly the amount of communication, monitoring and control capabilities you want for your utility source and on-site power system.
ASCO PowerQuest® Power Monitoring and Control Systems

It’s the new ASCO PowerQuest® Power Monitoring and Control family.

The PowerQuest® family is the most comprehensive communication, monitoring and control solution ever offered by Emerson Network Power. It empowers you. It fulfills your need to test, manage loads, optimize the bus bar, remotely monitor and otherwise be aware of the status of your facility’s utility source and on-site power. You have both the Power to Know and the Power to Do.

Whether you require standard monitoring and control, or a comprehensive Critical Power Management System, PowerQuest can satisfy your needs.

Hardware, Software, Installation and testing. Service. And upgrades and technology refreshes. A truly complete solution for all your communication, monitoring and control needs.

This brochure can help you determine—easily—the type of PowerQuest system you need for your ASCO power switching and controls, and third-party equipment.

**BE EMPOWERED**

PowerQuest can enable you to:
- Monitor and control power transfer switches, paralleling control switchgear, gensets, circuit breakers, distribution and other gear.
- Monitor normal and emergency voltages and frequency and their settings.
- Know transfer switch position and source availability.
- Transfer and re-transfer loads for system testing.
- View and adjust transfer switch time-delay settings.
- Know each transfer switch’s rating and identification.
- Receive automatic alerts on system operation via e-mail, pager, or selected system alarms.
- View current, power and power factor.
- View transfer switch event log and know the transfer switch test schedule.

**POWERQUEST PROVIDES MONITORING, ALARMING AND CONTROL OF CRITICAL POWER MANAGEMENT SYSTEMS, WHICH COMPRISSE TRANSFER SWITCHES, PARALLELING CONTROL SWITCHGEAR, GENSETS, CIRCUIT BREAKERS, DISTRIBUTION AND OTHER GEAR. IT ALSO INTEGRATES WITH BUILDING MANAGEMENT SYSTEMS.**
# Monitoring and Control Continuum

Selecting the system that provides your level of need-to-know information and control...

<table>
<thead>
<tr>
<th>You Need...</th>
<th>Your Application Is...</th>
<th>Desired Capabilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic monitoring, remote alarming and control, or, if you simply want to know transfer switch status or perform monthly transfer testing</td>
<td>Residential, light commercial and retail establishments</td>
<td>Local or remote, floor-level monitoring and control, or as part of a larger, facility-wide monitoring and control system</td>
</tr>
</tbody>
</table>

### PowerQuest

**Standard Capabilities**

A ‘specify-your-own’ Critical Power Management System (CPMS) that includes gensets, circuit breakers, and reports on energy, trending, power demand, bypass status, diagnostics, alarming, and component-level monitoring and control.

**Configurable Flexibility**

- Essential (single building)
- Professional (multiple buildings, single campus)
- Enterprise (multiple campuses)

### PowerQuest

**Ultimate Customization**

A Critical Power Management System providing system-wide monitoring, alarming and control of transfer switches, paralleling control switchgear, gensets and distribution, both on and off site; also integrates PLCs, building management systems and on-site, simulator training. Power quality and a range of other information is provided.

Regional and global networks of data centers, financial institutions, Web hosting companies and healthcare campuses that operate expansive and sophisticated on-site power systems that are essential for providing 24/7 power reliability

Local floor-level monitoring and control, and remote system-wide monitoring and control seamlessly integrated with building management systems; communication paths can be Ethernet, Web-based PC’s and monitors; simulator training that mimics the live system allows conducting ‘what if’ scenarios, without risking system operation.
Identifies the ASCO products and components required to provide the functionality you need.

<table>
<thead>
<tr>
<th>Products</th>
<th>Required Components</th>
<th>Functionality</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCO Series 185 and Series 300 Automatic Transfer Switches</td>
<td>Connectivity Modules and Annunciators</td>
<td>Locally monitor switch position, source availability and the status of on-site power system devices via customized Web page. Initiate tests and push-button remote transfer. Aural, visual alarms.</td>
</tr>
<tr>
<td>ASCO 7000 Series Automatic Transfer Switches, including Bypass-Isolation and 7000 Series Generator Paralleling Control Switchgear.</td>
<td>Standard and Configurable components, plus higher performance Power Control System and Data Management Screens, and an on-site Simulator Training System</td>
<td>Interact fully with incoming utility service boards, mission critical paralleling gear, transfer switches, UPSs, STSs and PDUs...and interface with Building Management Systems. Capture, store and analyze quantities of data to optimize on-site power operation. Use your display devices and/or ASCO 42” LCD screen. Highly customize your GUI with sophisticated HMI/SCADA software.</td>
</tr>
</tbody>
</table>
# Power Monitoring and Control Compatibility Matrix

## PowerQuest Specified Components

<table>
<thead>
<tr>
<th>Power Quest Product Number</th>
<th>ASCO Transfer Switches</th>
<th>ASCO Power Control Systems</th>
<th>Other Power Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>300 4000 7000</td>
<td>300 4000 7000</td>
<td>Generators, Breakers, Uninterrupted Power Supplies, Load Banks and more</td>
</tr>
<tr>
<td>5150</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓</td>
</tr>
<tr>
<td>5160</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓</td>
</tr>
<tr>
<td>5210</td>
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<td>5220</td>
<td>✓ ✓ ✓ ✓ ✓ ±</td>
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<td>✓</td>
</tr>
<tr>
<td>5221</td>
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<td>✓ ✓ ✓</td>
<td>✓</td>
</tr>
<tr>
<td>5400</td>
<td>✓ ✓ ✓ ✓</td>
<td>✓ ✓ ✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

## PowerQuest Specified Packaged Approach

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Standard Capabilities</th>
<th>ASCO Transfer Switches</th>
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<tr>
<td>5310</td>
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<td>✓ ✓ ✓ ✓</td>
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<td>✓ 5221 PMU Required</td>
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<tr>
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<td>✓ ✓ ✓ ✓ ✓ ±</td>
<td>✓ ✓ ✓ ✓ ✓ ±</td>
<td>✓</td>
</tr>
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PowerQuest 5900 CPMS Offers Unlimited Customization

If you want the ultimate in monitoring and control customization, redundancies and scalability, consider the AGSI PowerQuest 5900 Critical Power Management System.

It’s ideal for complex on-site power systems that support ultra-critical applications such as data centers, large hospitals, financial centers and other operations where the stakes are high. When 24x7 power reliability is absolutely essential. When you must know what’s happening all the time, especially when system operation is outside of established parameters.

The PowerQuest 5900 can be tailored to your on-site power system. It includes an on-site simulator that allows you to test your facility and the monitoring and control equipment. Thus helping ensure that your facility and the monitoring and control equipment is absolutely reliable.

The following pages illustrate the components and monitoring servers for PowerQuest 5900, 5700 or 5900 systems, based on the equipment at your facility and the monitoring and control capabilities you want.

PowerQuest 5300 Standard Capabilities

PowerQuest 5300 monitors and controls AGSI Power Transfer Switches in all amperages and these configurations:
- Manual or Automatic
- Closed Transition
- Delayed Transition
- Open Transition
- Bi-Directional
- Two-way Transition
- Bypass-Isolation
- Indoor or Outdoor
- Service Entrance Rated

PowerQuest Monitoring Made Easy

The Power Monitoring and Control Compatibility Matrix (left) shows components that can be configured for a range of AGSI Automatic Transfer Switches and Generator Paralleling Control Switches. Some components also can monitor third-party devices, such as generators, paralleling box, circuit breakers and other gear.

Consider including remote monitoring capability. Remote components can minimize the need for personnel to be near equipment and perhaps avoid sitting in an exposed or protective gear. The following pages illustrate the components and monitoring servers for PowerQuest 5900, 5700 or 5900 systems, based on the equipment at your facility and the monitoring and control capabilities you want.

For example, if you want browser independence (IE, Safari, Firefox, Chrome, Opera), multilingual support, MODBUS support, NTP device time synchronization and test reports for complying with (12) 29 CFR 1910.73 standards, consider PowerQuest 5700 or 5900 systems.

PowerQuest 5700 CPMS: Configurable Flexibility

PowerQuest 5700 is a feature-rich system.

It offers unsurpassed flexibility for configuring a range of functionalities tailored specifically to your monitoring, control and reporting requirements.

Once configured, it is exceptionally easy to set up and operate day-to-day.

Functionalities include:
- Alarms/Events
- Notification
- Status
- Remote Control
- Power/Energy
- Statistics
- Settings/Setup
- Test Scheduling
- Diagnostics
- Time Synchronization
- Reporting
- Trending
- Browser Independence
- Resolution Independence (57x10 to 59x00)
- Minimum Support
- Apple Mac OS Support

Suitable for performance in a full range of PowerQuest 5700, as well as the 5300 and 5900 families of power monitoring and control systems.

System-performance characteristics encompass:
- Distributed Processing
- Dynamic Data Update
- 1000 Mbps Ethernet
- Preempted Data Update
- Dynamic Throttling
- Diagnostic Logging

Ease of access and strong data security can often be a contradiction in the best systems, but the 5700 enhances access, while maintaining data security.

The schematics on the right illustrate the PowerQuest 5900, including:
- 5900 Simulator
- 5900 Power Control System Management
- 5910 Operator Interface Terminal
- 5920 Power Managers
- 5930 and 5935 Annunciators, and
- 5910 and 5915 Connectivity Modules

The PowerQuest 5900 can provide all the Power to Know and Power to Need for even the most complex on-site power systems with multiple, parallel, distributed systems.

PowerQuest 5900 can also be tailored to your on-site power system. It includes an on-site simulator that allows you to test your facility and the monitoring and control equipment. Thus helping ensure that your facility and the monitoring and control equipment is absolutely reliable.

The Power Monitoring and Control Compatibility Matrix (left) shows components that can be configured for a range of AGSI Automatic Transfer Switches.

Mission-critical data centers rely on comprehensive power monitoring and control of on-site power systems to help operate, land and diagnose equipment, thus helping ensure long-term power reliability.
PowerQuest 5700 CPMS: Configurable Flexibility

3 Critical Power Management Systems (CPMS) Optimize Flexibility, Set Up/Optimization, Performance, Access and Data Security

PowerQuest 5700 is a feature-rich system. It offers unparalleled flexibility for configuring a range of functionalities tailored specifically to your monitoring, control and reporting requirements.

Once configured, it is exceptionally easy to set up and operate day-to-day. Functionalities include:
- Alarm/Even
- Notification
- Status
- Remote Control
- Power/Energy

Statistics and Security
- Alarm/Event Log
- Security Module
- AES 128-bit Encryption
- Secure Network
- Access Log Out

Mission-critical data centers rely on comprehensive power monitoring and control of on-site power systems to help operate and diagnose equipment, thus helping ensure long-term power reliability.

PowerQuest 5900 CPMS Offers Unlimited Customization

If you seek the ultimate in monitoring and control customization, redundancy and scalability, consider the AGSI PowerQuest 5900 Critical Power Management System.

It’s ideal for complex on-site power systems that support ultra-critical applications such as data centers, large hospitals, financial centers and other operations where the stakes are high. Where 24/7 power reliability is absolutely essential. When you must know what’s happening all the time, especially when system operations are outside of established parameters.

The PowerQuest 5900 can be tailored to your on-site power system, it includes an on-site simulator that allows confident staff training and testing, and the ability to test “what if” scenarios that can prepare staff for practically any eventuality.

The schematic on the right illustrates the PowerQuest 5900, including:
- 5960 Simulator
- 5950 Power Control System Management
- 5910 Operator Interface Terminal
- 5220 Power Managers
- 5310 and 5350 Annunciators, and
- 5110 and 5150 Connectivity Modules

The PowerQuest 5900 can provide all the power to know and prove power needed for even the most complex on-site power systems with multiple, paralleled generators, ATS’s and a range of power distribution equipment.

PowerQuest 5700 CPMS: Configurable Flexibility

If you seek the ultimate in monitoring and control customization, redundancy and scalability, consider the AGSI PowerQuest 5900 Critical Power Management System.

It’s ideal for complex on-site power systems that support ultra-critical applications such as data centers, large hospitals, financial centers and other operations where the stakes are high. Where 24/7 power reliability is absolutely essential. When you must know what’s happening all the time, especially when system operations are outside of established parameters.

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The schematic on the right illustrates the PowerQuest 5900, including:
- 5960 Simulator
- 5950 Power Control System Management
- 5910 Operator Interface Terminal
- 5220 Power Managers
- 5310 and 5350 Annunciators, and
- 5110 and 5150 Connectivity Modules

The PowerQuest 5900 can provide all the power to know and prove power needed for even the most complex on-site power systems with multiple, paralleled generators, ATS’s and a range of power distribution equipment.

PowerQuest 5300 Standard Capabilities

PowerQuest 5300 monitors and controls AGSI Power Transfer Switches in all amalgams and these configurations:
- Manual or Automatic
- Closed Transition
- Open Transition
- Delayed Transition
- By-pass Isolation
- Indoor or Outdoor
- Service Entrance Rated

One connectivity module is required to connect each transfer switch to monitoring servers.

For example, if you want browser independence (IE, Safari, Firefox, Chrome, Opera), multi-level support, Modbus and BACSEnet support, NT/TF device time synchronization and test reports for complying with IEC/ANSI requirements, consider PowerQuest 5700 or 5900 systems.

PowerQuest Monitoring Made Easy

The Power Monitoring and Control Compatibility Matrix (left) shows components that can be configured for a range of AGSI Automatic Transfer Switches and Generator Paralleling Control Switches. Some components also can monitor third-party devices, such as gen-sets, paralleling box, circuit breakers and other gear.

Consider including remote monitoring capability. Remote components can minimize the need for personnel to be near the equipment and perhaps avoid sitting in an exposed area.

The following pages illustrate the components and monitoring servers for PowerQuest 5300, 5700 or 5900 systems, based on the equipment at your facility and the monitoring and control capabilities you want.

Attention: Monitor one, or set up eight transfer switches. Multiple annunciators can accommodate larger numbers of transfer switches.
Which 5700 package is right for you?

The 5700 line offers versatile options with a range of capabilities starting with the Essential package and building up through the Professional and Enterprise packages.

The Essential package offers a value solution for your monitoring needs. Control up to 32 devices, with basic ‘Power to Know’ capabilities such as energy summary, notification and site statistics, along with standard power monitoring devices, remote annunciators and 15 inch monitoring servers.

The Professional package offers richer features to your monitoring needs. Control up to 64 devices, with even more ‘Power to Know’ capabilities such as reports, trending and diagnostic reporting.

The Enterprise package offers full redundancy with control of up to 128 devices, all ‘Power to Know’ capabilities, standard power monitoring devices, remote annunciators and additional 42 inch monitoring servers.

PowerQuest 5710 CPMS Essential
A Value of Standard Features

If You Want to Monitor and Control Up to 32 of These Types of On-Site Power Equipment...

And You Want These ‘Power to Know’ Capabilities...

Specify These Connectivity and Power Monitoring Components...

And These Monitoring Servers.

And You Want These ‘Power to Know’ Capabilities...

Specify These Connectivity and Power Monitoring Components...

And These Monitoring Servers.

And You Want These ‘Power to Know’ Capabilities...

Specify These Connectivity and Power Monitoring Components...

And These Monitoring Servers.

PowerQuest 5750 CPMS Professional
Feature Rich with Comprehensive and Diagnostic Reporting

PowerQuest 5790 CPMS Enterprise
Full Redundancy and Scalability
Which 5700 package is right for you?

The 5700 line offers versatile options with a range of capabilities starting with the Essential package and building up through the Professional and Enterprise packages.

The Essential package offers a value solution for your monitoring needs. Control up to 32 devices, with basic ‘Power to Know’ capabilities such as energy summary, notification and site statistics, along with standard power monitoring devices, remote annunciators and 17 inch monitoring servers.

The Professional package offers richer features to your monitoring needs. Control up to 64 devices, with even more ‘Power to Know’ capabilities such as reports, trending and diagnostics, along with standard power monitoring devices, remote annunciators and 17 inch monitoring servers.

The Enterprise package offers full redundancy features with control of up to 128 devices, all ‘Power to Know’ capabilities, standard power monitoring devices, remote annunciators and additional 42 inch monitoring servers.

PowerQuest 5710 CPMS Essential
A Value of Standard Features

PowerQuest 5750 CPMS Professional
Feature Rich with Comprehensive and Diagnostic Reporting

PowerQuest 5790 CPMS Enterprise
Full Redundancy and Scalability
Which 5700 package is right for you?

The 5700 line offers versatile options with a range of capabilities starting with the Essential package and building up through the Professional and Enterprise packages.

The Essential package offers a value solution for your monitoring needs. Control up to 32 devices, with basic ‘Power to Know’ capabilities such as energy summary, notification and site statistic, along with standard power monitoring devices, remote annunciators and 15 inch monitoring servers.

The Professional package offers richer features to your monitoring needs. Control up to 64 devices, with even more ‘Power to Know’ capabilities such as reports, trending and diagnostics, along with standard power monitoring devices, remote annunciators and 15 inch monitoring servers.

The Enterprise package offers full redundancy for your needs. Control up to 128 devices, all ‘Power to Know’ capabilities, standard power monitoring devices, remote annunciators and 15 inch monitoring servers.

PowerQuest 5750 CPMS Professional Feature Rich with Comprehensive and Diagnostic Reporting

PowerQuest 5710 CPMS Essential A Value of Standard Features

If You Want to Monitor and Control Up to 64 of these Types of On-Site Power Equipment... And You Want These ‘Power to Know’ Capabilities... Specify These Connectivity and Power Monitoring Components... And These Monitoring Servers.

PowerQuest 5790 CPMS Enterprise Full Redundancy and Scalability

If You Want to Monitor and Control Up to 128 of these Types of On-Site Power Equipment... And You Want These ‘Power to Know’ Capabilities... Specify These Connectivity and Power Monitoring Components... And These Monitoring Servers.
PowerQuest 5900 CPMS Offers Unlimited Customization

If you want the ultimate in monitoring and control customization, redundancy and scalability, consider the PowerQuest 5900 Critical Power Management System.

It's ideal for complex on-site power systems that support ultra-critical applications such as data centers, large hospitals, financial centers and other operations where the stakes are high. Where 24/7 power reliability is absolutely essential. When you must know what's happening all the time, especially when system operations are outside of established monitoring and control systems.

The PowerQuest 5900 can be tailor-made to your on-site power system. It includes an on-site simulator that allows convenient staff training and retraining, and the ability to test “what if” scenarios that can prepare staff for practically any eventuality.

PowerQuest 5100 Standard Capabilities

PowerQuest 5100 monitors and controls ACGI Power Transfer Switches in all amperages and these configurations:

- Manual or Automatic
- Closed Transition
- Open Transition
- Delayed Transition
- By-pass/Isolation
- Indoor or Outdoor
- Service Entrance Rated

The PowerQuest 5100 provides standard monitoring and control capabilities—status, auditory and visual alarm, and local remote control.

One connectivity module is required to connect each transfer switch to monitoring servers.

Accessories monitor one, or up to eight transfer switches. Multiple annunciators can accommodate larger numbers of transfer switches.
And You Want These ‘Power to Know’ Capabilities...

Specify These Connectivity and Power Monitoring Components...

And These Monitoring Servers.
A typical PowerQuest monitoring overview screen

PowerQuest Facilitates Effective Connectivity With Multiple Communications Modalities

SELECT ETHERNET, MODBUS OR FIBER OPTIC CABLE. ASCO SUGGESTS ETHERNET FOR NEW CONSTRUCTION.

Designing a communications pathway between a PowerQuest system and on-site power equipment is straightforward.

ASCO 5150 and 5160 connectivity devices and ASCO 5210 and 5220 Power Managers connect directly to equipment via Modbus, Ethernet or fiber optic cable.

Modules and power managers typically are installed on or near the equipment to which they are connected.

The modules and power managers connect to ASCO Monitoring Servers and building management systems via Ethernet or fiber optic cable.

Monitoring servers can be installed near the equipment or remotely. Remote locations range from nearby engineering offices to sites around a single campus, multiple campuses in a region, or buildings spread nationally, or even globally.

The distances between modules and power managers and the monitoring servers they connect to are important considerations in designing a power communication, monitoring and control system.

For example, to maintain good communication, the distance for an ethernet over category 6 cable connection should be no longer than 300 ft. For fiber optic cable, it’s 6,500 ft.

When distances for those ASCO 5160 RCUs (Remote Connectivity Units) exceed their respective limits, ASCO Remote Connectivity Units effectively extend the distance.

An example: A facility manager wants to connect PowerQuest to on-site power equipment using the facility’s legacy Ethernet communications network. But, the distances between modules and power managers and monitoring servers is 900 ft. Remote connectivity units daisy-chained at the 300 ft. and 600 ft. marks will permit the use of the legacy Ethernet network.

Remote connectivity units effectively extend the distances for fiber optic cable networks as well.

Web-based communication satisfies connectivity requirements regionally, nationally and globally.

Sample schematics show typical connectivity configurations.
### Connection Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Medium</th>
<th>Performance</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet</td>
<td>Cat 6</td>
<td>● ● ● ● ●</td>
<td>300 Feet</td>
</tr>
<tr>
<td>Ethernet</td>
<td>Fiber</td>
<td>● ● ● ● ● ●</td>
<td>6,500 Ft</td>
</tr>
</tbody>
</table>

### Typical Remote Annunciator Configuration

- Equipment within 300 Feet of a central location can be connected to an ASCO 5160 Remote Connectivity Unit (RCU) using Ethernet over Category 6 cable.

- ASCO 5160 Remote Connectivity units can all be connected together using Ethernet over Category 6 cable (300 Feet Max) or Ethernet over Fiber Optic cable (6500 Feet Max).

### Typical Ethernet Cat 6 Connection

- Equipment within 300 Feet of a central location can be connected together via an ASCO 5160 Remote Connectivity Unit (RCU) using Ethernet over Category 6 cable.

### Typical Ethernet Fiber Connection

- Equipment within 300 Feet of a central location can be connected to an ASCO 5160 using Ethernet over Category 6 cable.

- ASCO 5160 Remote Connectivity units can all be connected together using Ethernet over Category 6 cable (300 Feet Max) or Ethernet over Fiber Optic cable (6500 Feet Max).
Building-block components can be configured easily to provide exactly the degree of monitoring, control and communication you want for your on-site power system.

The Component Approach: Built on Proven Technology

### 5150, 5160 Connectivity Modules

An ASCO 5150 Connectivity Module (left) provides 100 Mbps Ethernet Connectivity for ASCO Transfer Switches and Power Meters and includes AES 128-bit Encryption, as per NIST, for enhanced security.

The ASCO 5160 Remote Connectivity Unit (RCU) (right) provides 10 Ethernet and Dual-Fiber Optic connections in a NEMA 3R enclosure.

### 5210, 5220 Power Manager

ASCO 5210 (left) and 5220 (right) Power Meters measure, displays and provides single- or 3-phase Energy and Power information with Ethernet via the ASCO 5150 Communication Module.

ASCO 5221 Power Manager Unit (PMU) is used to enable power measurement, discrete inputs for status and output relays for control of generators, breakers and other power equipment via 5700 Series CPMS solutions.

### 5310, 5350 Annunciators

ASCO 5310(left) and 5350(right) ATS Remote Annunciators provide distributed monitoring of transfer switch position and source availability as well as transfer test and re-transfer control.

### 5400 Power Quality Meter

ASCO 5400 Power Quality Meters provide intelligent power analysis, energy measurement and event recording for critical and sensitive loads. Its unique continuous waveform and harmonic recording capabilities ensure all events are captured, improves response time, and helps identify corrective action to power quality related issues.

### 5710, 5750, 5790 Display Terminals

ASCO 5710(center), 5750(left) and 5790(right) Critical Power Management System provides various levels of monitoring, control and management capability of power equipment. It seamlessly monitors ASCO transfer switches as well as generators, breakers, paralleling buss, panel boards and other power equipment via a 5221 PMU. It consists of servers and touch screen interfaces.

### 5900 Custom Terminals

The ASCO 5900 Series provides a Customized Critical Power Management System with support of just paralleling switchgear to the most advanced critical power system with a wide-array of critical power components, such as, UPSs, STSs, Load Banks, Panel Boards, etc.

### 5990 Training Simulator

An ASCO 5990 Simulator allows convenient, on-site staff training and testing of `what if` scenarios. It is not connected to live power monitoring and control devices.
Configure ASCO Test Reports
To Your On-Site Power System

ASCO Test Reports is available with PowerQuest Power Monitoring and Control Systems.

Test Reports create accurate, precise reports formatted according to NFPA monthly exercising logs, which facilitates compliance with NFPA 99 and 110.

It can trigger event logging, respond to spontaneous events and produce a complete report. It also initiates tests through automatic transfer switches and gets data directly from generators and transfer switches.

JCAHO/Outage Reports summarize generator loading and electrical parameters during tests. Alarms Reports graph alarm statistics for all configured transfer switches and other equipment via Power Manager Units. Energy Reports provides Normal, Emergency and Total Energy consumption.

Settings Reports provides all communications settings, equipment setpoints and statistics. Historical Log Reports provide time-stamped event logs for a variety of events by devices and severity level. ASCO Services technicians can produce diagnostic reports on equipment during service calls.

Now’s the Time To Know

Your need to know critical information about your facility’s on-site power system can mean the difference between ensuring power reliability...and not.

With the stakes so high, be sure you have the communication, monitoring and control capabilities you need to optimize power reliability for your facility’s critical operations. Have the peace of mind knowing the information you want will be there when you need it.

Call 1-800-800-ASCO (2726) or email ASCO at customercare@asco.com.

For more information about ASCO PowerQuest Power Monitoring and Control capabilities, visit EmersonNetworkPower.com/ASCO, or ascoapu.com.