

EPIC – Seamless System Control Supported by the Local Cat Dealer

Whether a new installation or a retrofit, the Cat dealer has the dedicated professionals with expertise in power generation who can help make even the most complex operating conditions or unique challenges simple.

Locally available dealer services include:

- Engineering and consultation support
- Technical sales and product support
- Project management
- Start-up and commissioning
- Single source service
- Aftermarket availability

For more information on the EPIC system, contact your local Cat dealer or visit:
www.cat.com/power-generation/switchgear

EPIC Multiple Generator Set Control: Paralleling Systems—Simplified.





1. Step-by-Step User Configuration for up to 10 Units

2. Includes the controls for the Master and two Cat® Generator Sets utilizing EMCP 3.S Control Technology

3. 12-inch Graphical, Color Touch Screen (HMI) Interface

4. Intuitive user Operation with Analog-style Meter as Shown

5. Built-in High-Speed Ethernet Supervisory Network

6. NEMA 12, UL®/508A Enclosure Meets NFPA 110, NFPA 99 and NFPA 70

7. Controls Remote Mounted Utility Breaker Synchronization

8. Controls One Engine-Generator with Built-in Protective Functions

9. Circuit Breaker LED Indicator Lights

10. Best-in-Class Footprint

Simple.

The control system is designed for easy generator set parameter monitoring and operation. An intuitive set-up and step-by-step configuration makes it easily configurable in the field. Detailed installation and operation manuals are included.

EPIC – the Flexible Switchgear Control

The Cat Engine Paralleling and Integration Control (EPIC) is a straight forward approach to paralleling Cat generator sets while its scalable, modular design makes it reliable, economical and easy to use.

Adaptable: Expandable and easy to configure, the EPIC system has it all – built-in capability to accept a wide range of generator set controls, connectivity to engine-mounted circuit breakers or remote switchgear – and it can be retrofitted to existing sites. Designed for use with up to ten generator sets, the EPIC is the ideal choice for a broad range of applications including emergency, stand alone or utility paralleling.

Reliable: Using industry proven EMCP 3.S controls technology and common Cat system components, the EPIC employs a “Best Source” control power 24-volt battery network. Other features include a bumpless redundant backup master control, automatic synchronizing, soft transfer and utility paralleling interface ability (automatic sensing of loss and return). Integrated controls include:

- Automatic Start/Stop
- Power factor control when in parallel with utility grid
- Automatic load and VAR sharing
- Automatic dead bus arbitration
- Load shed/load add functions
- Generator set and utility protective functions

Best of all, the EPIC system meets single-source generator set control needs.

EPIC Modular Control System Offers a Value-Rich Alternative Approach to Paralleling Systems

EPIC offers the latest in Human Machine Interface (HMI) technology to operate and control up to 10 Cat diesel engine generator sets and associated (local or remote) circuit breakers. And, for applications that require generator sets paralleling to a utility grid, an EPIC Utility Control Panel may be added to the system.

With its color touch screen interface, the EPIC digital system features an easy-to-configure graphical control that walks the operator through system set-up and automatically configures all set points.

Installed, connected and commissioned by the local Cat dealer, the EPIC system offers a dedicated controller and operator interface that eliminates the need for conventional synchronizers, power factor controllers, load share modules, cross-current compensation devices, switches, annunciators, meters and more. Plus, it provides enhanced performance and seamless integration.