SPECIFICATION SHEET

# POWER TRANSFER SWITCH CONTROLLER

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# ENCP™ 6.3

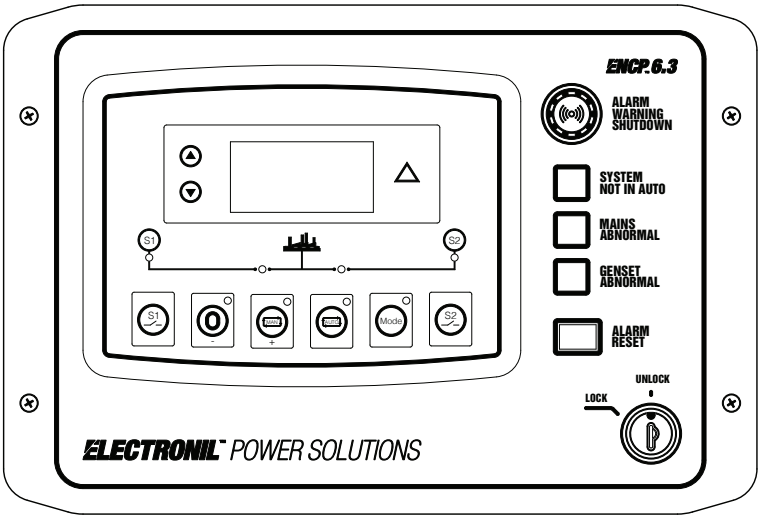


Image for Illustrations Purposes Only, Your Actual Product May Vary.

## DESCRIPTION

The ENCP™ 6 Series Power Transfer Switches are designed for a variety of standby power applications. They provide flexibility, reliability and value in a compact package.

The Open Transition Power Transfer Switches will provide fully functioning transfer in applications where a momentary loss of power is acceptable on retransfer from emergency to normal power supply. The ENCP™ 6 Series Power Transfer Switches also permits periodic testing of the emergency source without interrupting power to the loads.

The Closed Transition Power Transfer Switches are designed to Meet application requirements where emergency backup power is required with no momentary loss of power by connecting/short time paralleling both sources before the transfer occurs. Closed transition also permits periodic testing of the emergency power source without interrupting power to the loads.

The Service Entrance Power Transfer Switches are designed to provide standby power emergency power to entire installation loads to protect against utility power interruption; yet allow the ATS to be as close as possible to the point of service entrance. By safely and in code compliance, integrating the necessary overcurrent protection and service disconnecting means into the power transfer switch, a single installation can be made at the service entrance. This design eliminates the need for a separate upstream fault protection and respective interconnections, which in turn reduces installation space, time, and cost. Circuit Breaker based Service Entrance Power Transfer Switches are available from 30A to 4000A.

The ENCP™ 6.3 is a Power Transfer Switch Controller designed to monitor the voltage and frequency of the incoming AC supply from two different sources, which could be from both generator or mains (utility), or a combination of both. The system will monitor S1 (source 1) and in the event of a failure will issue a start command to S2 (source 2).

Once S2 is available and producing an output within limits, the system will control the transfer device and switch the load from S1 to S2.

Once the S1 supply returns to within limits, the system will command a load return to S1 and shut down S2.

Various timing sequences are available to prevent nuisance starting on minor supply breaks.

The ENCP™ 6.3 supports many topologies and features include mains (utility) rated volt-free relays, a clear back-lit LCD 4-line text display, showing system status and warnings and red and green LEDs indicating operational status. Configurable volt-free digital inputs and outputs make the ENCP™ 6.3 fully flexible to suit a wide variety of applications.

## OPERATOR INTERFACE

- Backlit LCD Text Display.
- LED Status Indicators for Modes of Operation.
- LED for Mains Ready Indication.
- LED for Genset Ready Indication.
- LED Indicator for Loading Status.
- Deferent Modes of Operation (Stop/Manual/Auto).
- External Alarm Horn with Audible/Flash Indicators.
- External Warning Indicator for Not in Auto Mode.
- External Warning indicator for Mains Abnormal.
- External Warning indicator for Genset Abnormal.
- External Alarm Reset Pushbutton.
- System Lock Key Switch.

# ENCP™ 6.3

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Learn More at electronil.com/encp 6.3

## CONTROLLER SPECIFICATIONS

### KEY FEATURES

- Volt-free relays
- Supports many topologies
- Automatic switch-over between supplies
- Check sync feature
- Real-time clock
- (10) configurable inputs
- (5) configurable outputs
- (10) Event log
- Configurable timers
- Automatic shutdown or warning when fault conditions are detected
- PC configuration
- Front panel configuration
- LED indicators
- Back-lit 4-line text LCD display
- External mains (utility) or genset failure inputs
- Auto start inhibit
- Load inhibit
- Manual restore to S1
- Optional current monitoring

### KEY BENEFITS

- Source 1/Source 2 configuration provides total flexibility for the application of the product
- Real-time clock provides accurate event information for easy maintenance diagnostics
- User-friendly set-up and button layout
- Fully automatic and switchover control minimizes the effects of power disruptions

- Some digital inputs, analogue inputs and Digital outputs might be used for the operator interface, Consult our Technical Support Team for the Exact Number of Free Inputs and Outputs.