PowerCommand®
InPower™ Service Tool
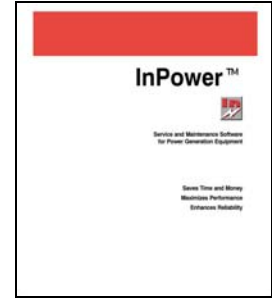
Power Generation

Description

InPower™ is a PC-based service and maintenance tool that is designed to optimize service and maintenance activities associated with Cummins PowerCommand® products.

InPower software links a personal computer to microprocessor-based PowerCommand Controls either locally or remotely, allowing users to perform a wide variety of adjustments, tests and maintenance activities.

InPower uses the widely understood and powerful Windows® Explorer format to provide easy access to the software's many functions. The software also has function key access to commonly used commands such as connect/disconnect, save, strip chart and monitor functions, and exit commands.

InPower is a powerful tool for use in optimizing service and maintenance activities. It allows easy access to dozens of set up and adjustments in Cummins microprocessor-based controls. Because of the comprehensive access it provides, Cummins recommends that users attend a training class to familiarize themselves with control and operation of the tool and how it can impact the operation of their equipment. Inappropriate set up and adjustments can result in misoperation of the equipment it connects to.

For users that are in need of a simple monitoring tool only without the service access of InPower, Cummins recommends use of PowerCommand for Windows or Cummins Power Generation iWatch™ products.

Features

InPower provides the following functions for monitored equipment:

- Direct connection capability from a personal computer to PowerCommand genset controls, transfer controls and system controls; including PowerCommand 1300 series, 2100, 3100, 3200 series genset controls; OTPC and BTPC transfer switch controls; and PowerCommand System Controls, including MCM3320 and SYNC1320.

- Connection to generator set or transfer switch controls via modem or to multiple controls via PowerCommand (LonWorks®) Network.

- Allows the monitored equipment to send alarm information to a connected computer.

- Configurable for units of measurement and level of user access (read only, read/change values, administrator).

- Adjustment of nearly every adjustment parameter within the connected control system, including parameters such as voltage and frequency levels, gains, protection set-points and other values.

- Convenient programming of configurable inputs in the controllers.

- Viewing of equipment history, fault codes and data associated with fault codes.

- Generates reports of monitored data.

- Plot critical parameters in a strip-chart format and export data to 3rd party software tools, such as Windows Office Products, for manipulation and viewing.

- Simulate fault conditions in genset controls in compliance to NFPA 110 requirements to demonstrate functionality of the controller and monitoring equipment in a facility.

Typical screens

InPower operates on the popular Windows® Explorer format, allowing quick access directly to desired program parameters.

Set points are changed by simply double-clicking on the appropriate parameter, typing in the desired value and clicking on enter to change the parameter. The range of acceptable values is displayed by the program.

InPower allows continuous monitoring of selected values at an operator selected interval. This function is convenient for testing or monitoring of exercise periods. Data can be exported to files compatible with 3rd party spreadsheet and database programs such as Microsoft Excel.

Another function that is useful for testing is the strip chart recorder. The strip chart recorder continuously monitors selected values and displays them graphically for the operator's use. The strip chart function allows monitoring of transient voltage and frequency conditions and other AC data to verify generator set performance without use of expensive and complicated test equipment.
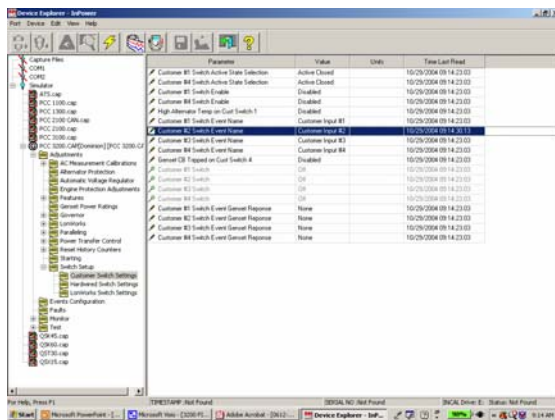
Software and hardware requirements

InPower is suitable for use with Microsoft Windows 2000, Windows XP Pro and Windows NT v6.0. InPower v6.0 does not support Windows 95 or Windows 98 operating systems. See below for further requirements.

- An IBM PC or 100% IBM compatible PC.
  PC with Windows 2000:
    Minimum 300 MHz processor
    Minimum of 128 MB RAM
  PC with Windows XP Pro or Windows NT v6.0:
    Minimum 500 MHz processor
    Minimum 256 MB RAM
    1.5 GB hard drive
- Microsoft Internet Explorer v5.5 or higher
- SVGA (1024 x 768) color display
- Windows compatible pointing device and 1010 key enhanced keyboard.
- 16X CD-ROM
- InPower Pro version requires one parallel port or one USB port depending on dongle type.
- One free serial communications port.
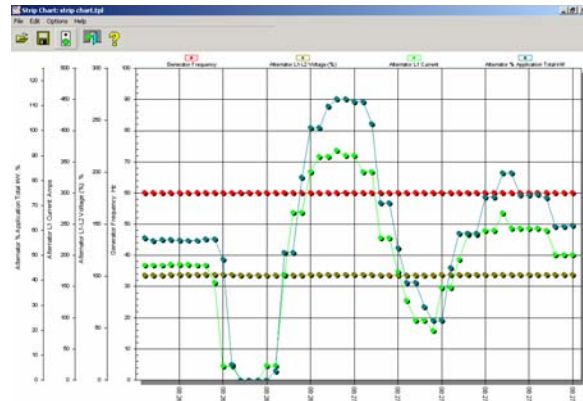
Ordering Information

Part number	Description
0998-0077-01	InPower LITE (new user)
0998-0077-02	InPower PRO (current user)
0998-0077-04	InPower MASTER PRO (new user)

See your distributor for more information

Cummins Power Generation

Americas
1400 73rd Avenue N.E.
Minneapolis, MN 55432 USA
Phone: 763 574 5000
Fax: 763 574 5298

Europe, CIS, Middle East and Africa
Manston Park Columbus Ave.
Manston Ramsgate
Kent CT 12 5BF   United Kingdom
Phone 44 1843 255000
Fax 44 1843 255902

Asia Pacific
10 Toh Guan Road #07-01
TT International Tradepark
Singapore 608838
Phone 65 6417 2388
Fax 65 6417 2399

Our energy working for you.™

www.cumminspower.com

Power Generation