

MECHRON



CYCLE CHARGE™

Software Support Packages for Remote On-Site Prime Power Systems

*Remote Monitoring and Control
for Critical Power Installations*

Custom Engineered and Standard Products.

CYCLE CHARGE™

Remote Site Power System Control and Monitoring

Hardware and Software developed by Mechron Power Systems to provide comprehensive monitoring and control for remote power systems for critical applications.

SOFTWARE SOLUTIONS FOR REMOTE POWER GENERATION.

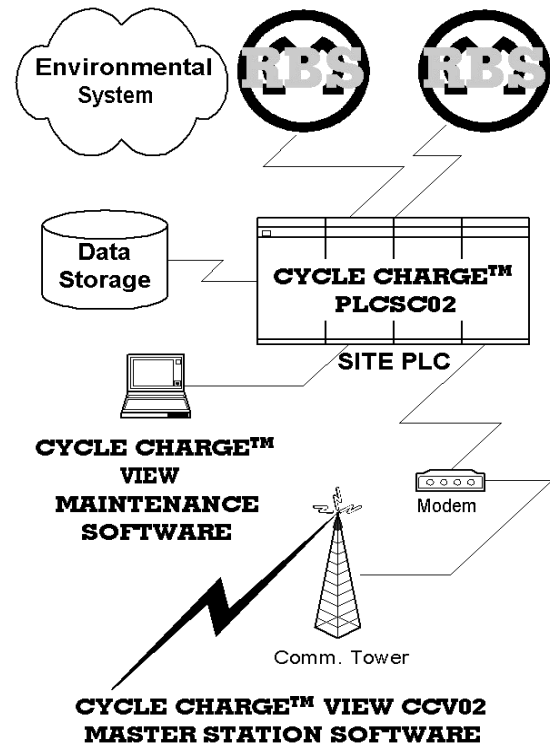
CYCLE CHARGE™ VIEW CCV02

This software package provides the remote control and monitoring of a remote power generation system and is comprised of the Operating System, Seed Data Base and SQL Server Desktop application

CYCLE CHARGE™ PLC Site Control PLCSC02

On-site PLC Software developed to control a remote prime power system with monitoring and reporting capabilities. New and enhanced features are provided with this new release.

CYCLE CHARGE™



CYCLE CHARGE™ VIEW Companion Programs:

CYCLE CHARGE™ TREND

Providing configurable trending reports of site data.

CYCLE CHARGE™ REPORT

Providing configurable event logs of site data

CYCLE CHARGE™ VIEW CCV02

MONITORING AND CONTROL SOFTWARE

CYCLE CHARGE™ VIEW is an upgraded version of the original **Master Station** operating system and is designed to work with **CYCLE CHARGE™ PLC Site Control PLCSC02** and is backward compatible with **PLC Site Control PLCSC**, however many of the new features will not function.

CYCLE CHARGE™ VIEW CCV02 Provides

- Remote Control & Monitoring of critical power systems from a single site to multiple site and sectors
- Database Management
- Graphical Operator Interface for control and monitoring features
- Graphical Alarm Indicators and alarm management
- Password Protection
- Communications with Poll Packet Optimization
- Remote site PLC Clock Setting
- Internet Automatic Reporting available.

CYCLE CHARGE™ TREND

CONFIGURABLE GRAPHING SOFTWARE

CYCLE CHARGE™ TREND allows the user to graphically trend, view, print and send web Internet analog variables such as:

Battery Voltage, Charge, Load Currents, Multiple voltage and currents sources (i.e PV and TEG), Temperatures, etc. stored in the Master Station database. The user selects the time range and data variable(s). No application program needs to be installed on the Internet server. Only navigation aids need to be added to the Internet server.

CYCLE CHARGE™ TREND data is viewed using Internet Explorer and can be viewed on the Master Station and any other computer networked to the Master Station on a local Intranet. The application software resides on the Master Station and doesn't require installation or maintenance on other user's computers. The package offers the following functionality.

- Graphical charts of up to maximum of 3 any analog data variables stored on database plotted against time. User selectable.
- Graphical Internet Web Report Generation.
- On demand report generation at the Master Station separate from the Internet reports. For a quick trending assessment.
- Generate up to maximum of 3 reports at one time.
- User selectable time scale.
- Multiple level password protection to ensure valid reporting to any public Internet/Intranet domain.
- Automatic Internet web report posting. Intervals and time of postings - user configurable.
- Dial-up or LAN local network can be configured for the transmission of reports to the Internet.

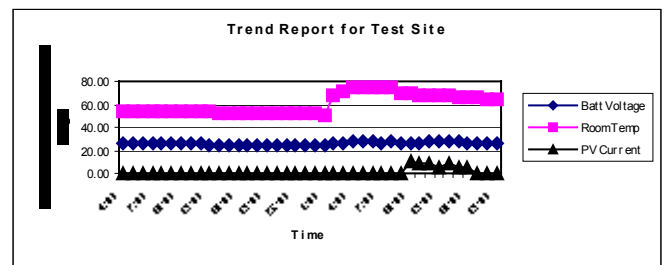


Figure 2) Sample Trend Graphical Output

CYCLE CHARGE™ TREND is compatible with **CYCLE CHARGE™ VIEW CCV02**

CYCLE CHARGE™ REPORT

SITE ANALYSES REPORTING SOFTWARE

CYCLE CHARGE™ REPORT operates in the same fashion as **CYCLE CHARGE™ TREND**. The program allows the user to view, print and post web reports based on individual sites or sectors. The time range for the report is user configurable. Up to five different reports are available:

Sector Operation Report
Site Operation Report
Site Alarm and Message Report
Site Generator Run Report
Site Tabularized Analog Data Report

CYCLE CHARGE™ REPORT contains the following features.

- Tabularized reports of up to maximum of 3 different reports generated at time.
- On demand report generation at the Master Station PC (separate from the Internet reports) allows quick assessment of site operation.
- User selectable time scales.
- Automatic Internet web report posting. Intervals and time of postings - user configurable.
- Dial-up or LAN local network can be configured for the transmission of reports to the Internet.
- Multiple level password protection to ensure valid reporting to any public Internet/Intranet domain.

CYCLE CHARGE™ REPORT data is viewed using Internet Explorer and can be run on the Master Station and any other computer networked to the Master Station. The application software resides on the Master Station and does not require

installation or maintenance on any other user's computers.

CYCLE CHARGE™ REPORT can be packaged with **CYCLE CHARGE™ TREND** to run as one application.

Internet Reporting provides the following features:

- Automatic update of user interface web page.
- Automatic update and management of Internet files.
- No installation of application software on Internet Server is required.

A powerful tool used to analyse the performance of a remote power system. Internet reporting allows users to Point and Click through data shared over a cost effective network.

CYCLE CHARGE™ REPORT is compatible with **CYCLE CHARGE™ VIEW CCV02**

Please contact our Sales Department for pricing and availability



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