

SPECTRADYNE SYSTEMS*

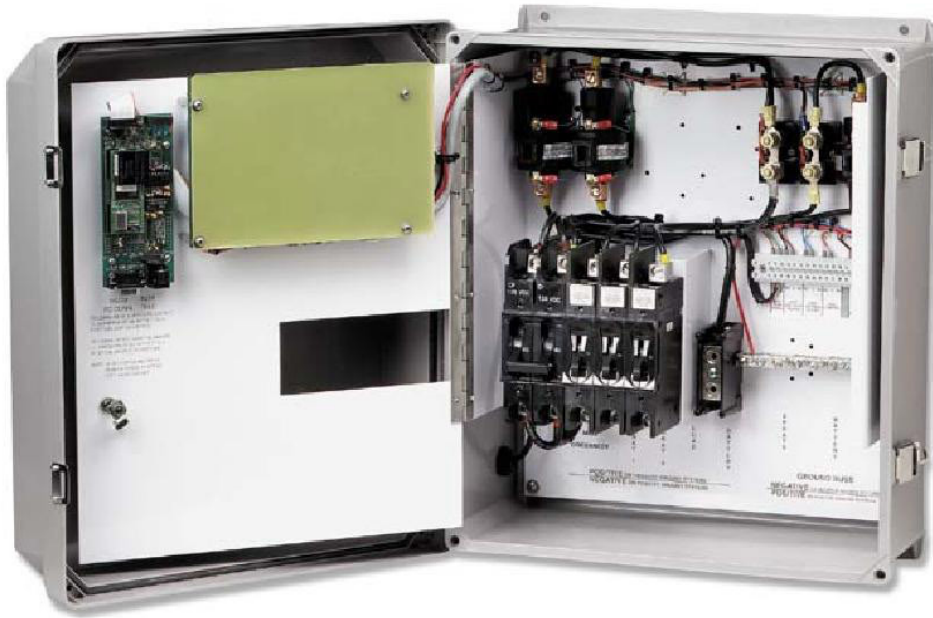
MPR-9800



The MPR-9800 Advanced Photovoltaic System Controller from Digital Solar Technologies is the turn-key solution for all of your remote power station monitoring and control requirements.

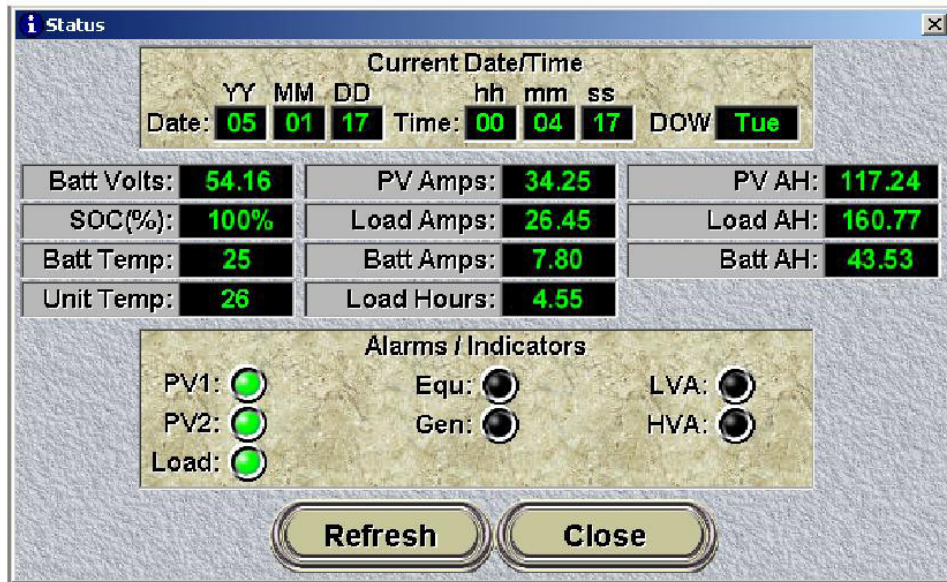
Key features of the MPR-9800 controller and software include:

- Modular design allows flexible configuration of PV arrays, load, generator, and devices.
- Supports Boost, Equalize and Float charging of batteries with staged taper charge and pulsed finish charge, by EBBM charging algorithm.
- May accommodate up to three 10 amp to 300 amp simultaneous PV array inputs at 12, 24, 36, or 48 volts DC, positive- or negative-ground.
- Real-time load disconnect / reconnect capability.
- Provides startup/shutdown signals for a generator with scheduled periodic maintenance runs.
- Provides manual or automatic battery cell equalization functionality.
- Supports serial communications for monitoring via modems, direct-cable, or wireless RF.
- Serial network compatibility of addressing thousands of controllers on a single network.
- Optional Ethernet connectivity supports local- or wide-area Ethernet networks (internet).
- Ethernet-connected units provide real-time alarm reporting to one or more specified central offices via the SNMP networking protocol.
 - All major SNMP monitoring software packages supported.
 - Instant email forwarding of received alarm reports is provided if desired.

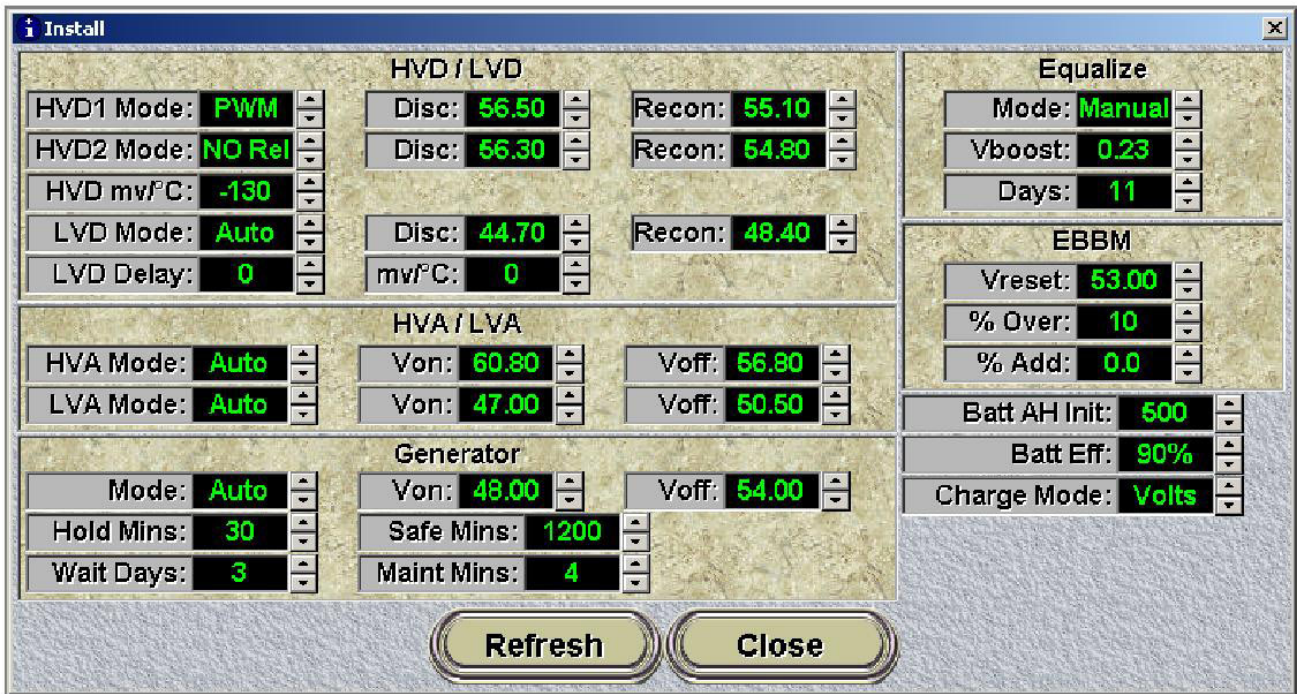


Shown with optional Ethernet
(Hinged door panel is optional and does not appear on all systems)

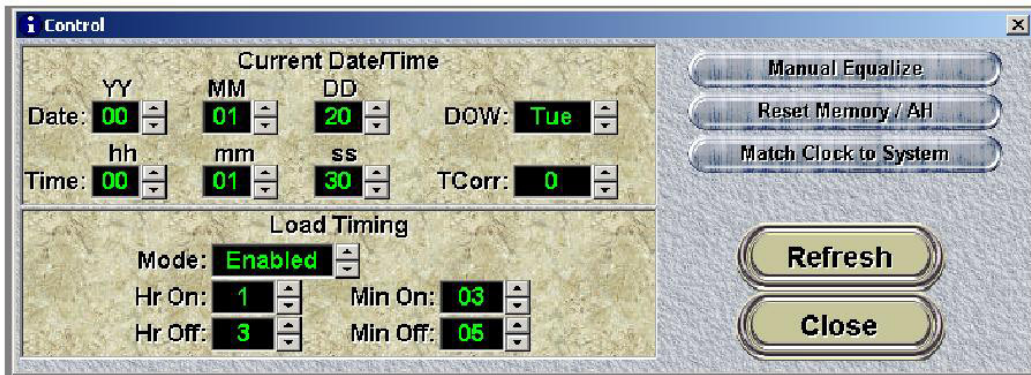
- For remote communications, the MprComm software provides a full graphical interface to all system parameters.
 - Continuous update of real-time operating parameters
 - Critical windows are password protected.
- Digital Solar Technologies has a proven track record of responsiveness in providing customer-requested software- and hardware configurations.



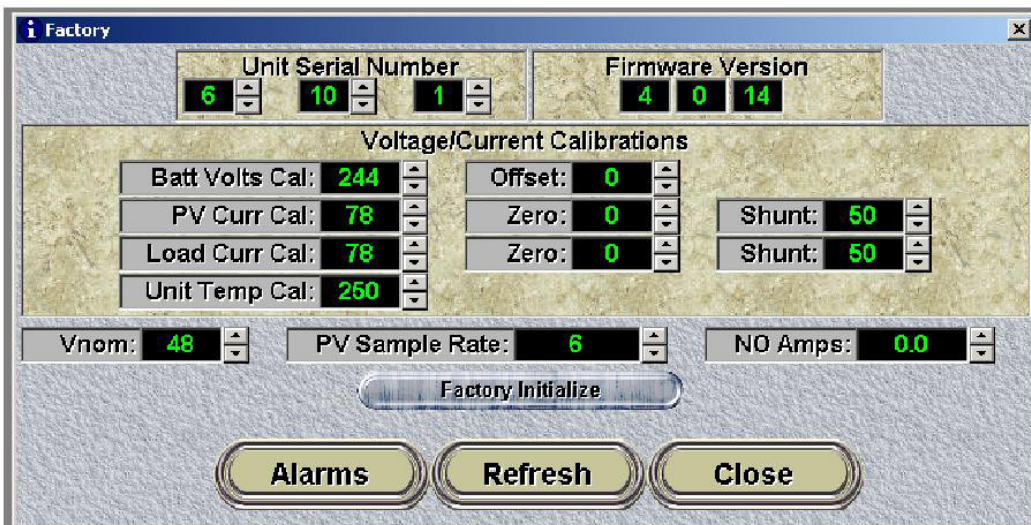
Communication with the MPR-9800's Status level displays real time system conditions.



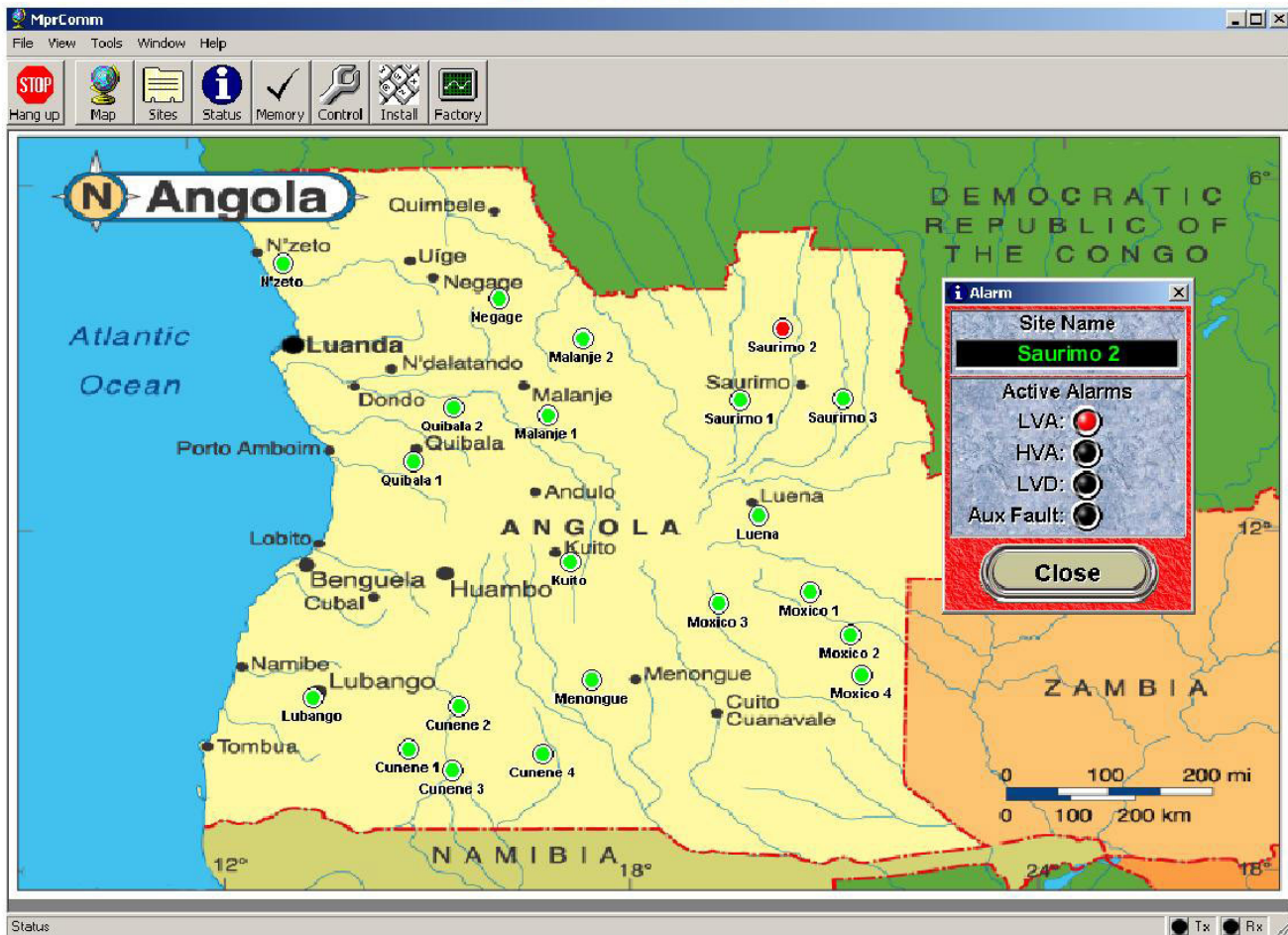
The Install level allows set points and other parameters to be easily modified.



The Control level allows date and time settings, Load timing if needed, memory level re-set and forcing manual equalization.

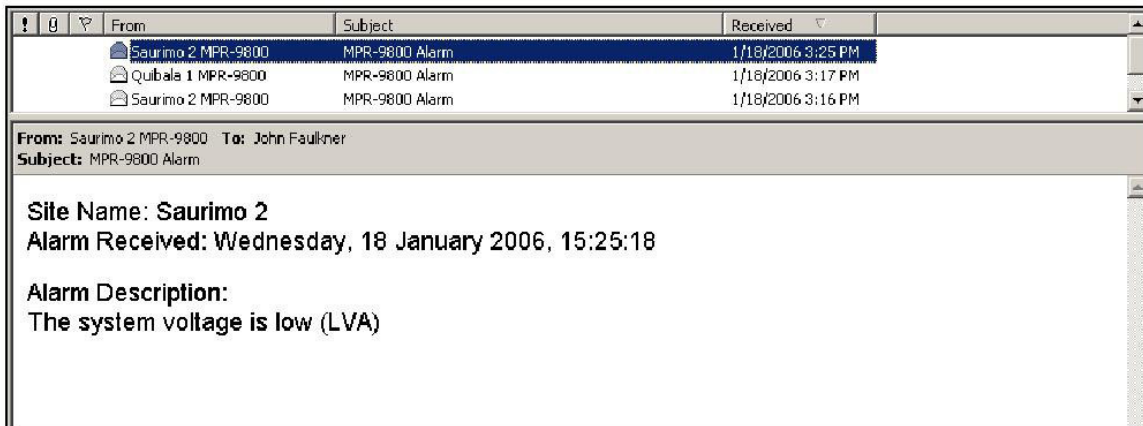


The Factory Level is used for calibrating voltages, currents and setting shunt values etc.



MprComm software provides full site mapping functionality.

- All remote sites may be created on the site map. Connection to the site is accomplished by simply double clicking on the site's icon.
- When an alarm is transmitted from the MPR-9800, the site's icon will turn red and the alarm information is displayed.
- Supports multiple map images, with each regional image containing its own collection of MPR-9800 site icons.



Using the Ethernet option with SNMP alarm traps, The SNMP management software provided will automatically alert technicians of a site's problem.

- Automatic email capability for received alarms.
- Any number of clients/offices may be emailed when an alarm is received.
- Alarm descriptions may be modified to support different languages.