

# GMS

## Global Monitoring System

for **Three Phase** Battery Backup Systems & Central Lighting Inverters

The most advanced Local/Remote Monitor,  
Data/Event Logging via SNMP, Wire or Wireless  
(status monitoring, email, text messaging, and system report)



**INVERTER**

LCD 4x20  
Standard

No Local  
Event Log

PC Interface

**Touch Screen**  
9100-1466-02 (10-15kVA)  
9100-1466-03 (20-30kVA)  
9100-1466-04 (50-62.5kVA)

SNMP **WITHOUT** local Event Log

9800-011-XX  
RS232 or  
RS485  
9800-012-XX



**Advanced  
SNMP (LAN)**  
9800-008-10

Reserve Port

**Basic SNMP (LAN)**

9800-007-10



9800-007-11  
**WIFI**

9800-008-11 (( ))  
**GPRS Mobile  
Modem**

9800-008-12  
**Dial-up Modem**

9800-008-13  
**WIFI**

SNMP **WITH** local Event Log

**Advanced SNMP (LAN)**  
with local Touch Screen  
9800-008-14



Reserve Port

**Basic SNMP (LAN)**  
with local Touch Screen  
9800-007-12



9800-007-13  
**WIFI**

9800-008-15 (( ))  
**GPRS Mobile Modem**

9800-008-16  
**Dial-up Modem**

9800-008-17  
**WIFI**

### FEATURES:

- Auto-sense 10/100M Fast Ethernet
- Provide SNMP MIB to monitor & log UPS status
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and E-mail for events notification.
- Auto email daily Battery Backup history report (configurable)
- Basic SNMP (LAN) with WIFI
- Advanced SNMP (LAN) with GPRS, Modem, or WIFI

**Touch Screen**  
9100-1466-XX

The screenshot displays a control panel with several sections:

- Summary:** Shows date (07/07/11) and time (15:38:34).
- Alerts:** Includes buttons for Bypass, Input, Charger, Inverter, and ALERT (Power Rating 15kVA).
- METER:** Displays numerical values for various parameters.
- BATTERY TEST SCHEDULER:** Shows a scheduled test time of 00:44:3.
- ON BATTERY:** A status indicator.
- Output Current:** A gauge showing phases A (000) and B (000).
- Input Current:** A gauge showing phases A (008), B (005), and C (008).
- Battery Voltage:** 0216
- Battery Current:** 0003
- Charger Current:** 0000
- Event Log Table:**

| No | dd/mm/yyyy | hour : min | Duration | Ack  |
|----|------------|------------|----------|------|
| 1. | 15/06/2011 | 08:53      | 001      | Next |
| 2. | 00/00/0000 | 00:00      | 000      |      |
| 3. | 00/00/0000 | 00:00      | 000      |      |
- Set Time & Date Battery Test:** A section for configuring test parameters.

# GMS

## Global Monitoring System

Perfect Powers Global Monitoring System keeps you informed 24 hours a day from a distance (email, text message, report) to prevent Costly Problems of your power system.

**PC Interface** without Touch screen and local Event Log  
**RS232**(9800-011-XX) or **RS485**(9800-012-XX)

PC interface, status, metering and display 10ft. standard (optional length)

### Event Logging:

Yearly Customer Programmable Battery Test Schedule and Text Report

Event Log: 100 events, 12 programmable battery exerciser test and Battery exerciser test log

**SNMP** with local touch screen

|                                       |                                                                                                                                                                                                                                                                                     |                             |                            |                             |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|-----------------------------|
| <b>Current Status</b><br>(UPS Status) | <b>Input Status:</b> AC Status, Input Line Volt, Input Max Line Volt, Input Min. Line Volt, Input Frequency<br><b>Output Status:</b> Output Volt, Output Status, UPS load<br><b>Battery Status:</b> Temperature, Battery Status, Battery Capacity, Battery Voltage, Time on Battery |                             |                            |                             |
| <b>Meter/Chart</b><br>(Graphic Type)  | Input Volt, Output Volt, Temperature, Frequency, Load, Capacity                                                                                                                                                                                                                     |                             |                            |                             |
|                                       | <b>Basic SNMP (LAN)</b>                                                                                                                                                                                                                                                             | <b>Advanced SNMP (LAN)</b>  |                            |                             |
| <b>Log Info:</b>                      |                                                                                                                                                                                                                                                                                     |                             |                            |                             |
| Event Log                             | 500 logs                                                                                                                                                                                                                                                                            |                             |                            | 1000 logs                   |
| SMS Log                               | N/A                                                                                                                                                                                                                                                                                 |                             |                            | with GPRS unlimited         |
| Data Log                              | 1000 logs                                                                                                                                                                                                                                                                           |                             |                            | 1000 logs                   |
| <b>Notification:</b>                  |                                                                                                                                                                                                                                                                                     |                             |                            |                             |
| Email                                 | 8 email address                                                                                                                                                                                                                                                                     |                             |                            | 8 email address             |
| SMS                                   | N/A                                                                                                                                                                                                                                                                                 |                             |                            | GPRS (8 Phone No)           |
| <b>Communication:</b>                 | <b>w/o local Event Log</b>                                                                                                                                                                                                                                                          | <b>with local Event Log</b> | <b>w/o local Event Log</b> | <b>with local Event Log</b> |
| LAN                                   | 9800-007-10                                                                                                                                                                                                                                                                         | 9800-007-12                 | 9800-008-10                | 9800-008-14                 |
| WIFI                                  | 9800-007-11                                                                                                                                                                                                                                                                         | 9800-007-13                 | 9800-008-13                | 9800-008-17                 |
| GPRS                                  | N/A                                                                                                                                                                                                                                                                                 | N/A                         | 9800-008-11                | 9800-008-15                 |
| Dial-up                               | N/A                                                                                                                                                                                                                                                                                 | N/A                         | 9800-008-12                | 9800-008-16                 |

- GPRS: General Packet Radio Service
- LAN: Local Area Network
- MIB: Management Information Base
- NMS: Network Mgmt. System
- SMS: Short Message Service
- SNMP: Simple Network Management Protocol
- WIFI: IEEE 802.11 std.

### Log Info:

Event Log: up to 1000 logs **E**

| Date/Time           | Event                     |
|---------------------|---------------------------|
| 09/05/2009 20:37:01 | Utility power has been re |
| 09/05/2009 20:36:47 | UPS has switch to batter  |
| 09/05/2009 20:36:44 | Utility power has been re |
| 09/05/2009 20:36:27 | UPS has switch to batter  |

Data Log: up to 500 logs **F**

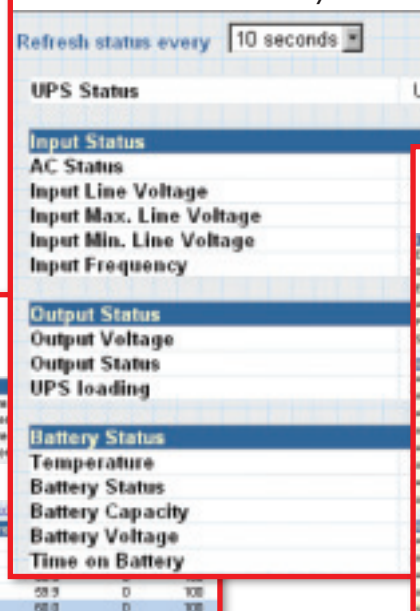
| Date/Time           | Input Volt. | Output Volt. | UPS |
|---------------------|-------------|--------------|-----|
| 09/05/2009 20:32:48 | 115.0       | 117.0        |     |
| 09/05/2009 20:31:48 | 114.0       | 117.0        |     |
| 09/05/2009 20:30:47 | 114.0       | 117.0        |     |
| 09/05/2009 20:29:48 | 114.0       | 117.0        |     |
| 09/05/2009 20:28:48 | 114.0       | 118.0        |     |

### Sample Screens

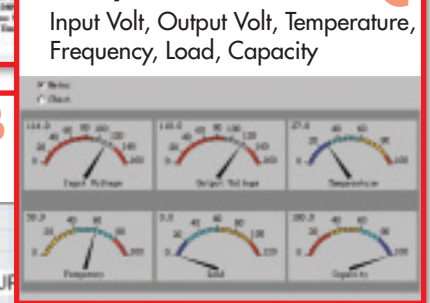
#### System Status System Information Network Status **A**



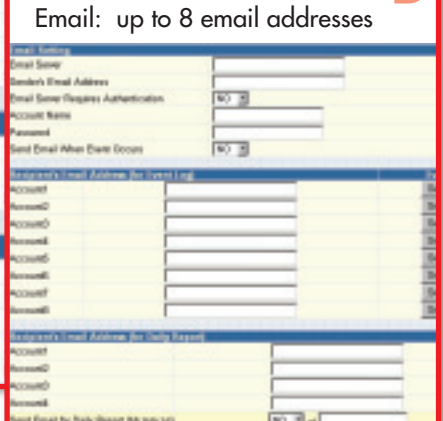
#### Current Status (UPS Status) Input Status Output Status Battery Status **B**



#### Meter/Chart **C**



#### Notification: **D**



### Screen Menu

#### Information

- System Status **A**
- Basic Information
- Current Status **B**
- Meter/Chart **C**

#### Configuration

- UPS Configuration
- Network
- SNMP
- Email **D**
- SMS
- WEB/Telnet
- System Time
- Language

#### Log Information

- Event Log **E**
- SMS Log
- Data Log **F**
- Save Data Log

#### Help

- About

Specifications are subject to change without prior notifications.

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