

GMS

Global Monitoring System

for **Single 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)



Standard LCD

9800-001-XX
RS232 or
RS485
9800-002-XX



with LOCAL Event
Log and Mimic

9800-003-XX
RS232 or
RS485
9800-004-XX



9100-1539-03 (3-10 KW)
9100-1539-03-HE (3-10 KW, Outdoor Unit)
9100-1539-04 (12.5-17 KW)
9100-1539-04-HE (12.5-17 KW, Outdoor Unit)

SNMP



Advanced
SNMP (LAN)
9800-008-01

Modem
RS232 Port

Reserve Port

9800-008-02
WIFI

Basic SNMP (LAN)
9800-007-01



9800-008-03 (())
GPRS Mobile Modem

9800-008-04
Dial-up Modem

9800-007-02
WIFI

FEATURES:

- Provide SNMP to monitor UPS status & Event Log
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, SMTP Protocol
- Emails capable of SNMP TRAP for events notification.
- Auto email status report daily (configurable)
- Basic SNMP (LAN) with WIFI
- Advance SNMP (LAN) with WIFI, Dial-up Modem, or GPRS Modem

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 RS232 (9800-001-XX) or RS485 (9800-002-XX)

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

Event Logging:

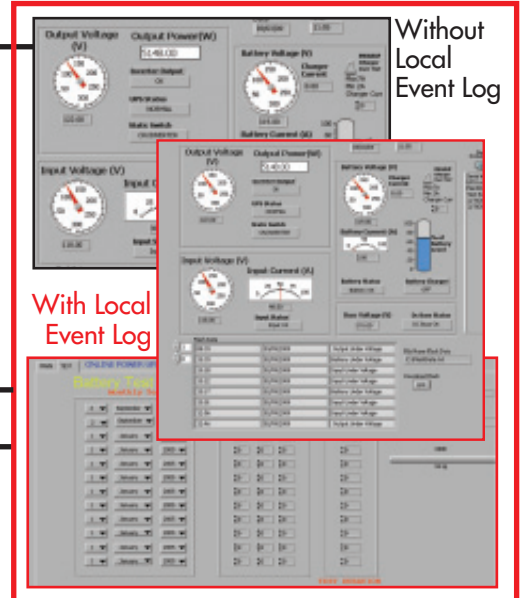
Yearly Customer Programmable Battery Test Schedule and Text Report
Event Log: 100 events, 12 programmable battery exerciser test and Battery exerciser test log (via local PC only)

Local on Unit LCD with Event Log and Mimic

9100-1539-03 (3 to 10 kW), 9100-1539-04 (12.5 to 17 kW), "-HE" for Outdoor

PC Interface RS232(9800-003-XX) or RS485(9800-004-XX) [10ft. Std.]

Status	Reports (100 view/downloadable event log)
Input Voltage	Input: Freq., Voltage, OV, UV,
Output Power, Output Voltage	Output: OV, UV, Overload, Bypass, Aux, CB Trip
Battery Voltage, Battery Current	Battery: OV, UV, Charger Off
Battery Charging/Discharging	Inverter: Fault, Rect OV (DC Buss), Rect UV, Temp

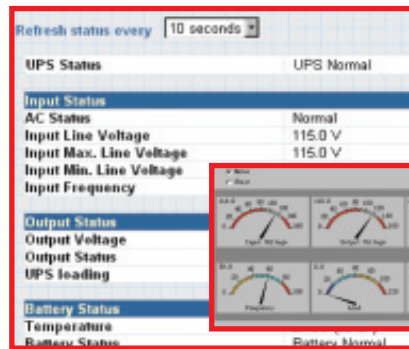


SNMP with Local Event Log

Current Status (UPS Status)	Input Status: AC Status, Input Line Volt, Input Max Line Volt, Input Min. Line Volt, Input Frequency Output Status: Output Volt, Output Status, UPS load Battery Status: Temperature, Battery Status, Battery Capacity, Battery Voltage, Time on Battery	
Meter/Chart (Graphic Type)	Input Volt, Output Volt, Temperature, Frequency, Load, Capacity	
SNMP	Basic NetAgent	Advanced NetAgent
Log Info:		
Event Log	500 logs	1000 logs
SMS Log	N/A	with GPRS unlimited
Data Log	1000 logs	1000 logs
Notification:		
Email	8 email address	8 email address
SMS	N/A	GPRS (8 Phone Numbers)
Communication:		
LAN	9800-007-01	9800-008-01
WIFI	9800-007-02	9800-008-02
GPRS	N/A	9800-008-03
Dial-up Modem	N/A	9800-008-04

GPRS: General Packet Radio Service
LAN: Local Area Network
MIB: Management Information Base
NMS: Network Management System

SMS: Short Message Service
SNMP: Simple Network Management Protocol
WIFI: IEEE 802.11 standards



Screen Menu

Information

- System Status
- Basic Information
- Current Status
- Meter/Chart

Configuration

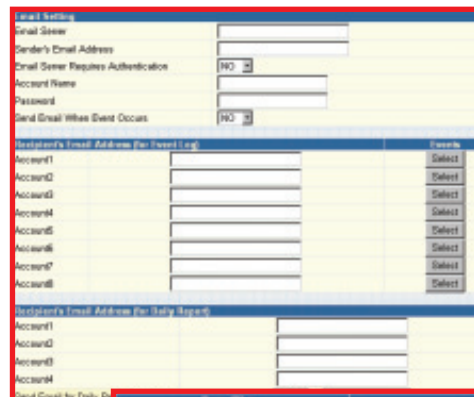
- UPS Configuration
- Network
- SNMP
- Email
- SMS
- WEB/Telnet
- System Time
- Language

Log Information

- Event Log
- SMS Log
- Save Data Log
- Data Log

Help

- About



Date/Time	Event
09/25/2003 20:37:01	Utility power has been restored.
09/25/2003 20:36:47	UPS has switch to battery backup power.
09/25/2003 20:36:44	Utility power has been restored.
09/25/2003 20:36:27	UPS has switch to battery backup power.

Specifications are subject to change without prior notifications.

6001-129 032015A

14000 S. Broadway,
Los Angeles, CA 90061
Tel: (800) 786-6915



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)



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)

INVERTER

SNMP **WITHOUT** local Event Log

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



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

Basic SNMP (LAN)

9800-007-10

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

9800-008-12
Dial-up Modem

9800-007-11
WIFI

9800-008-13
WIFI

Reserve Port

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

SNMP **WITH** local Event Log

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

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

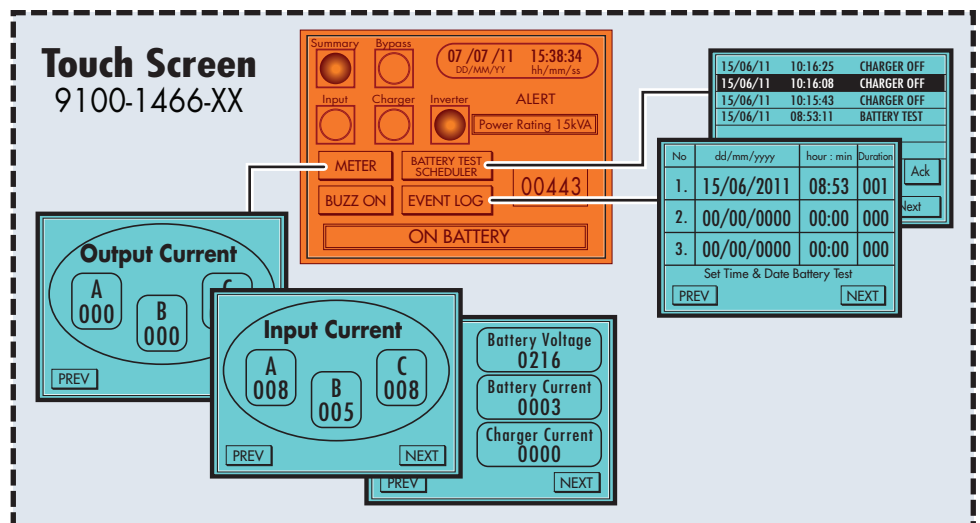
9800-008-16
Dial-up Modem

9800-008-17
WIFI

Reserve Port

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



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

Current Status (UPS Status)	Input Status: AC Status, Input Line Volt, Input Max Line Volt, Input Min. Line Volt, Input Frequency Output Status: Output Volt, Output Status, UPS load Battery Status: Temperature, Battery Status, Battery Capacity, Battery Voltage, Time on Battery			
Meter/Chart (Graphic Type)	Input Volt, Output Volt, Temperature, Frequency, Load, Capacity			
	Basic SNMP (LAN)	Advanced SNMP (LAN)		
Log Info:				
Event Log	500 logs	1000 logs		
SMS Log	N/A	with GPRS unlimited		
Data Log	1000 logs	1000 logs		
Notification:				
Email	8 email address	8 email address		
SMS	N/A	GPRS (8 Phone No)		
Communication:	w/o local Event Log	with local Event Log	w/o local Event Log	with local Event Log
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
09/25/2003 20:37:01	Utility power has been re
09/25/2003 20:36:47	UPS has switch to batter
09/25/2003 20:36:44	Utility power has been re
09/25/2003 20:36:27	UPS has switch to batter

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

Date/Time	Input Volt.	Output Volt.	Freq
09/25/2003 20:32:49	115.0	117.0	
09/25/2003 20:31:49	114.0	117.0	
09/25/2003 20:30:47	114.0	117.0	
09/25/2003 20:29:45	114.0	117.0	
09/25/2003 20:28:43	114.0	117.0	

Sample Screens

System Status System Information Network Status **A**

Hardware Version: HW520
 Firmware Version: 2.34 (HW520)
 Serial Number: 3850000714
 System Name: UPS Agent
 System Contact: Administrator
 Location: My Office
 System Time: 09/25/2003 09:27:07
 Uptime: 06:02:30

Warning will be inhibited 10 minutes before Schedule Standby Event
 Send Email for Daily Report

Network Status
 MAC Address: 08:00:0A:2D:5A:2E
 Connection Type: Auto Sense
 IP Address: 201.21.67.01
 Subnet Mask: 255.255.255.0
 Gateway: 201.21.67.01

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

Refresh status every 10 seconds

UPS Status

Input Status
 AC Status
 Input Line Voltage
 Input Max. Line Voltage
 Input Min. Line Voltage
 Input Frequency

Output Status
 Output Voltage
 Output Status
 UPS loading

Battery Status
 Temperature
 Battery Status
 Battery Capacity
 Battery Voltage
 Time on Battery

Meter/Chart **C**

Input Volt, Output Volt, Temperature, Frequency, Load, Capacity

Notification: **D**

Email: Up to 8 email addresses

Email Setting
 Email Server
 Sender's Email Address
 Email Server Requires Authentication
 Account Name
 Password
 Send Email When Event Occurs

Notification's Email Address For Event Log
 Account1
 Account2
 Account3
 Account4
 Account5
 Account6
 Account7
 Account8

Notification's Email Address For Daily Report
 Account1
 Account2
 Account3
 Account4

Send Email for Daily Report (If necessary)

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