MAGWEB | WEB MONITORING KIT

Introduction

The MagWeb is a powerful and cost effective tool for remotely monitoring Magnum Energy brand inverters and accessories. Installed on the Magnum network, the MagWeb provides live Internet monitoring of the inverter, battery monitor, and automatic generator start module. Using your always on Internet connection, the MagWeb makes live and historical conditions available to you through a web browser at data.magnumenergy.com.

Features

- Data Samples – The MagWeb constantly streams data to your personal web pages, providing details on Current Conditions, Current Settings, and Daily Summaries for historical records. The samples below provide snapshots of the standard web pages.

Web Based Monitoring

- Inverter/Charger
  - Status
  - Program Settings
  - Faults
  - DC volts, DC amps
  - Invert, Charge LEDs
- Tech menus
- Battery Monitor status
- Auto Gen Start (AGS) status

Model Numbers

- ME-MW-W (wireless)
- ME-MW-E (ethernet)

Works With

- MM-AE Series
- MS Series
- MS-PAE Series
- MSH-RE Series
- RD Series

SPECIFICATIONS

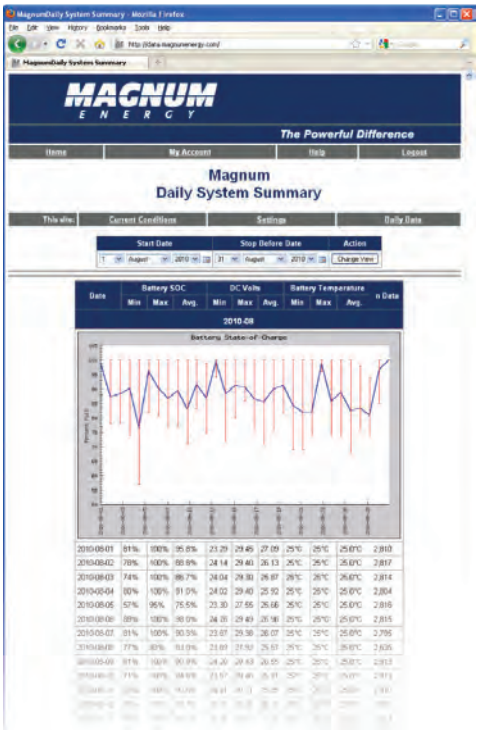
ME-MW-W / ME-MW-E	
Sample Rate	
Fixed 30 second sample interval	
2,800 measurements per day	
Communication – 802.15.4 XBee Wireless	
For use with our data.magnumenergy.com service	
US version	2.4 GHz, 63 mW (+18 dBm) 300' indoor range, up to one mile line of sight outdoor range
International version	2.4 GHz, 10 mW (+10 dBm) 200' indoor range, up to 2,500' line of sight outdoor range; special order only
Low power version	2.4 GHz, 1 mW (+0 dBm) 100' indoor range, up to 300' line of sight outdoor range; special order only
Direct Sequence Spread Spectrum (DSSS)	
RP-SMA connector and included rubber duck antenna	
Requires 802.15.4 XBee to Ethernet wireless gateway	
Wireless agency approvals	United States (FCC Part 15.247) Industry Canada (IC) Europe Japan Australia
Power Draw	
MagWeb	< 0.1 watts average from Magnum bus
Wireless Gateway	< 4 watts average from 120 VAC
Materials	
MagWeb case	ABS plastic, flame retardant, UL94V-0
Wireless Gateway case	Anodized aluminum
All parts are RoHS compliant, no lead used in manufacture	
Physical Specifications	
Shipping weight	3 lb (1.36 kg)
Kit Includes	
MagWeb 802.15.4	Manual Communications cable (2-conductor, 10' twisted pair, telephone standard) Mounting screws Antenna
Wireless 802.15.4 Gateway	Antenna Ethernet cable, 10' AC adapter (Energy Star, North American plug)
Remote Requirements	
ME-RC or ME-ARC required when monitoring device(s) other than inverter	

DIAGRAMS

Current Settings

Settings Date:	2010-10-05 18:48:23
Inverter Settings	
Model:	MS4024
Revision:	3.7
Stack Mode:	Standalone Unit
Remote Settings	
Revision:	2.1
AC Search Watts:	No Searching, Always On
AC Shore Amps:	60
Charger Amps:	20% of full value
Auto Generator Start:	Off
Battery Size:	1600 amp / hours
Low Battery Cut-Out:	21.0 VDC
Absorb Voltage / Time:	28.8 VDC (for 0.0 hours)
Float Voltage:	27.0 VDC
Equalize Voltage:	28.9 VDC
Battery Monitor	
Revision:	1.0

Daily System Summary



Current Conditions

Date:	2010-10-05 18:50:25
Battery Monitor (DC)	
State of Charge:	100%
Volts / Amps:	26.88 VDC @ 17.2 amps (462 watts)
Amp Hours In / Out:	+89 amp hours
Volts Min / Volts Max:	23.33 VDC Min / 30.42 VDC Max
Inverter	
Status:	Absorb Mode Absorbing with AC
LEDs:	Inverting Charging
Temperatures:	Battery: 25°C / 77°F Transformer: 59°C / 136°F FETs: 41°C / 105°F
AC Out:	Active: (0 amps)
AC In:	Active: (0 amps)

GENERAL NOTES

Testing for specifications at 25° C. Specifications subject to change without notice.

CONTACT US

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Power Conversion
www.magnum-dimensions.com

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