



# The MagWeb: Web Monitoring Kit



## MODEL NUMBERS

- ME-MW

## AVAILABLE FOR

- Renewable Energy Systems
- Off-Grid Power
- Back-Up Power

## 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

The MagWeb is a powerful and cost effective tool for remotely monitoring Magnum Energy's 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](http://data.magnumenergy.com).

## Data Samples

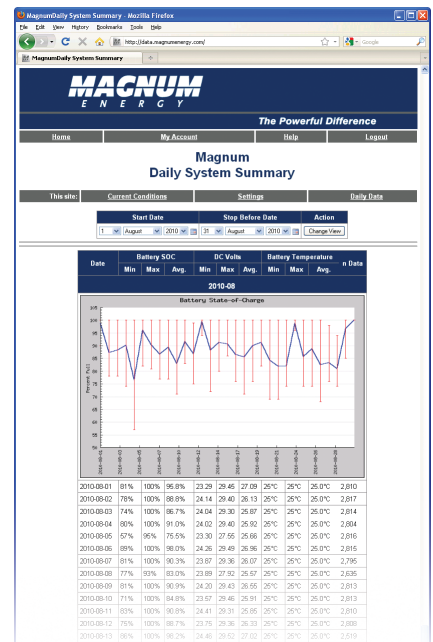
The MagWeb constantly streams data to your personal web pages, providing details on Current Conditions, Current Settings, and Daily Summaries for historical records. The samples below provide snapshots of the standard web pages.

### Current Conditions Screen Shot ▶



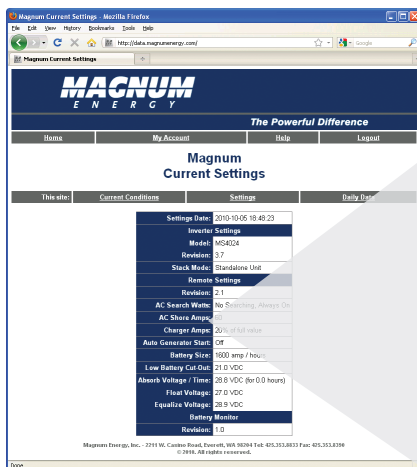
Date:	2010-10-05 18:50:25
<b>Battery Monitor (DC)</b>	
State of Charge:	100%
Volts / Amps:	26.88 VDC @ 17.2 amps (462 watts)
Amp Hours In / Out:	+89 amp hours
Volts Min / Volts Max:	23.33 VDC Min / 30.42 VDC Max
<b>Inverter</b>	
Status:	Absorb Mode Absorbing with AC
LEDs:	Inverting Charging
Temperatures:	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)

### Daily System Summary Screen Shot ▼



### Current Settings Screen Shot

Settings Date:	2010-10-05 18:48:23
<b>Inverter Settings</b>	
Model:	MS4024
Revision:	3.7
Stack Mode:	Standalone Unit
<b>Remote Settings</b>	
Revision:	2.1
AC Search Watts:	No Searching, Always On
AC Shore Amps:	60
Charger Amps:	20% of full value
Auto Generator Start:	Off
<b>Battery Size</b>	
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
<b>Battery Monitor</b>	
Revision:	1.0



The Powerful Difference



# The MagWeb: Web Monitoring Kit

## Specifications

### 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](http://data.magnumenergy.com) service

**US Version:** 2.4 GHz, 63 mW (+18 dBm) (300' indoor range, 1 mile outdoor range)

**International Version:** 2.4 GHz, 10 mW (+10 dBm) (200' indoor range, 2,500' outdoor range; special order only)

**Low Power Version:** 2.4 GHz, 1 mW (+0 dBm) (100' indoor range, 300' 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 (CE)
- 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

### Weight and Dimensions

**Shipping Weight:** 3 pounds

### 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

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**Authorized Magnum Dealer**

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Specifications subject to change without notice.  
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