



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



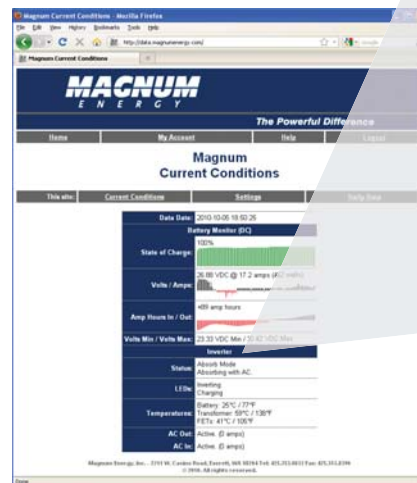
The Powerful Difference

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.

Data Samples

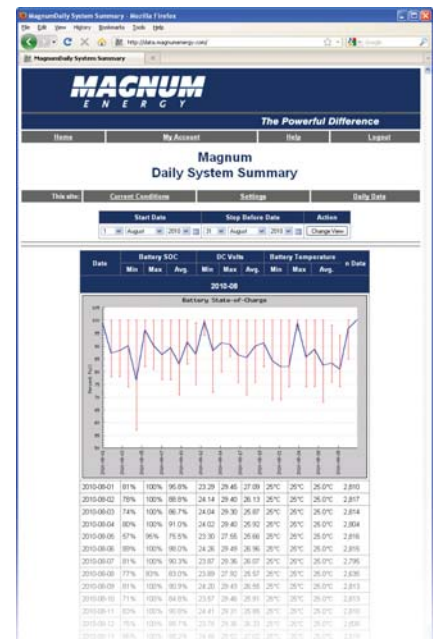
The MagWeb constantly streams data to your personal web pages, providing details on Current Conditions, Current Settings, and Daily Summaries for historical records. The samples below provide snapshots of the standard web pages.

Current Conditions Screen Shot ▶



Date:	2010-10-05 18:50:25
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)

Daily System Summary Screen Shot ▼



◀ Current Settings Screen Shot

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



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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 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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Specifications subject to change without notice.
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