

The MagWeb: Web Monitoring Kit



MODEL NUMBERS

ME-MW

AVAILABLE FOR

Renewable Energy Systems
Off-Grid Power
Back-Up Power

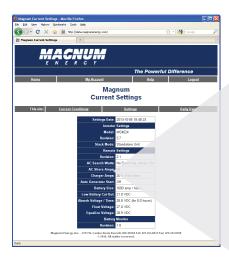
WEB BASED MONITORING

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 ▶



◄ Current Settings Screen Shot

| Settings Date: | 2010-10-05 18:48:23 | | | |
|---|--|--|--|--|
| Inverter Settings | | | | |
| Model: Revision: | MS4024 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: Float Voltage: Equalize Voltage: | 28.8 VDC (for 0.0 hours) 27.0 VDC 28.9 VDC | | | |
| Battery Monitor | | | | |
| Revision: | 1.0 | | | |

Daily System Summary Screen Shot ▼

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

Battery Monitor (DC)

+89 amp hours

Absorb Mode Absorbing with AC

Active. (0 amps)

Active. (0 amps)

Battery: 25°C / 77°F Transformer: 59°C / 136°F FETs: 41°C / 105°F

Inverting Charging

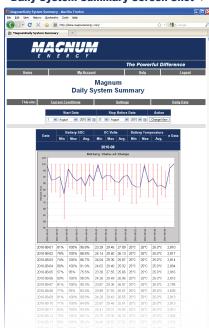
26.88 VDC @ 17.2 amps (462 watts)

23.33 VDC Min / 30.42 VDC Max

State of Charge:

Amp Hours In / Out:

Volts Min / Volts Max:





The MagWeb: Web Monitoring Kit

Specifications

| San | ar | le | Ra | ite |
|-----|----|----|----|-----|
| | | | | |

Fixed 30 second sample interval

2,800 measurements per day

Communication - 802.15.4 XBee Wireless

For use with our data.magnumenergy.com service

2.4 GHz, 63 mW (+18 dBm) **US Version:** (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 Wireless Gateway < 0.1 watts average from Magnum bus < 4 watts average from 120 VAC

Materials

| MagWeb Case | Wireless Gateway Case |
|-------------|-----------------------|
|-------------|-----------------------|

ABS plastic, flame retardant, UL94V-0 Anodized aluminum



COMPLIANT All parts are RoHS compliant, no lead used in manufacture

Weight and Dimensions

Shipping Weight:

Kit Includes

MagWeb 802.15.4 Wireless 802.15.4 Gateway

- Manual ■ Antenna
- Ethernet Cable, 10' ■ Communications Cable (2-conductor, 10' twisted pair, telephone standard)
- AC Adapter, Energy Star, North American Plug ■ Mounting Screws
- Antenna

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. October 2010, Rev A Part #64-0650 **Authorized Magnum Dealer**

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