MAGNUM ENERGY

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

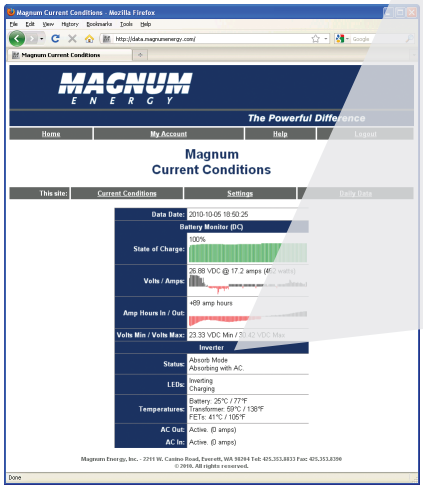
The Powerful Difference

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.

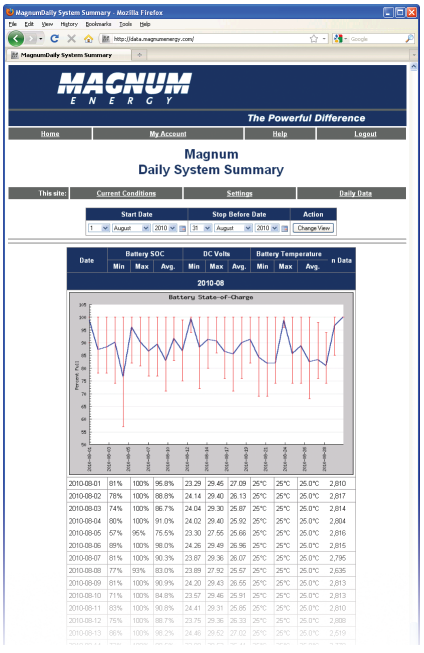
Current Conditions Screen Shot ►



Magnum 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)

Daily System Summary Screen Shot ▼



Magnum Daily System Summary

◄ Current Settings Screen Shot

Magnum 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: Float Voltage: Equalize Voltage:	28.8 VDC (for 0.0 hours) 27.0 VDC 28.9 VDC
Battery Monitor	
Revision:	1.0

http://www.wholesalesolar.com/inverters.html

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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** 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	**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

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

Weight and Dimensions	
Shipping Weight:	3 pounds

Kit Includes	
MagWeb 802.15.4	**Wireless 802.15.4 Gateway**
■ Manual	■ Antenna
■ Communications Cable (2-conductor, 10' twisted pair, telephone standard)	■ Ethernet Cable, 10'
■ Mounting Screws	■ AC Adapter, Energy Star, North American Plug
■ Antenna	

Remote Requirements
ME-RC or ME-ARC required when monitoring device(s) other than inverter

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The Powerful Difference

Specifications subject to change without notice.
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Authorized Magnum Dealer