

Energy Meter Data-logger Web server

Features and Benefits:

- 💧 Measures electric power on up to 12 conductors:
 - + Building demand/consumption
 - + Renewable energy production
 - + Sub-metering
- 💧 Built-in web server
- 💧 16, 64 or 128 recordable register options.
- 💧 Multi-layered password protection and information hiding
- 💧 Fully web-configurable
- 💧 CSV export & data API
- 💧 Built-in solid-state memory and data logger:
 - + 1 second granularity for 10 minutes (volatile)
 - + 1 minute granularity for current year
 - + 15 minute granularity for 30 years
- 💧 URI data push available / open API
- 💧 Internet-enabled or stand-alone operation
- 💧 Remote device support
 - + Team multiple eGauge units
 - + Weather station & inverter direct readout
 - + Air temperature
- 💧 BACnet/IP compatible
- 💧 Windows, Mac, Linux & smartphone compatible
- 💧 For residential, commercial, municipal, and industrial use
- 💧 See real-time devices at <http://www.egauge.net/>



Revenue Grade Accuracy

*ANSI C12.1 - 1% or C12.20 - 0.5%
Accuracy Compliant*

Hardware Options:

eGauge3 Series

EG3010

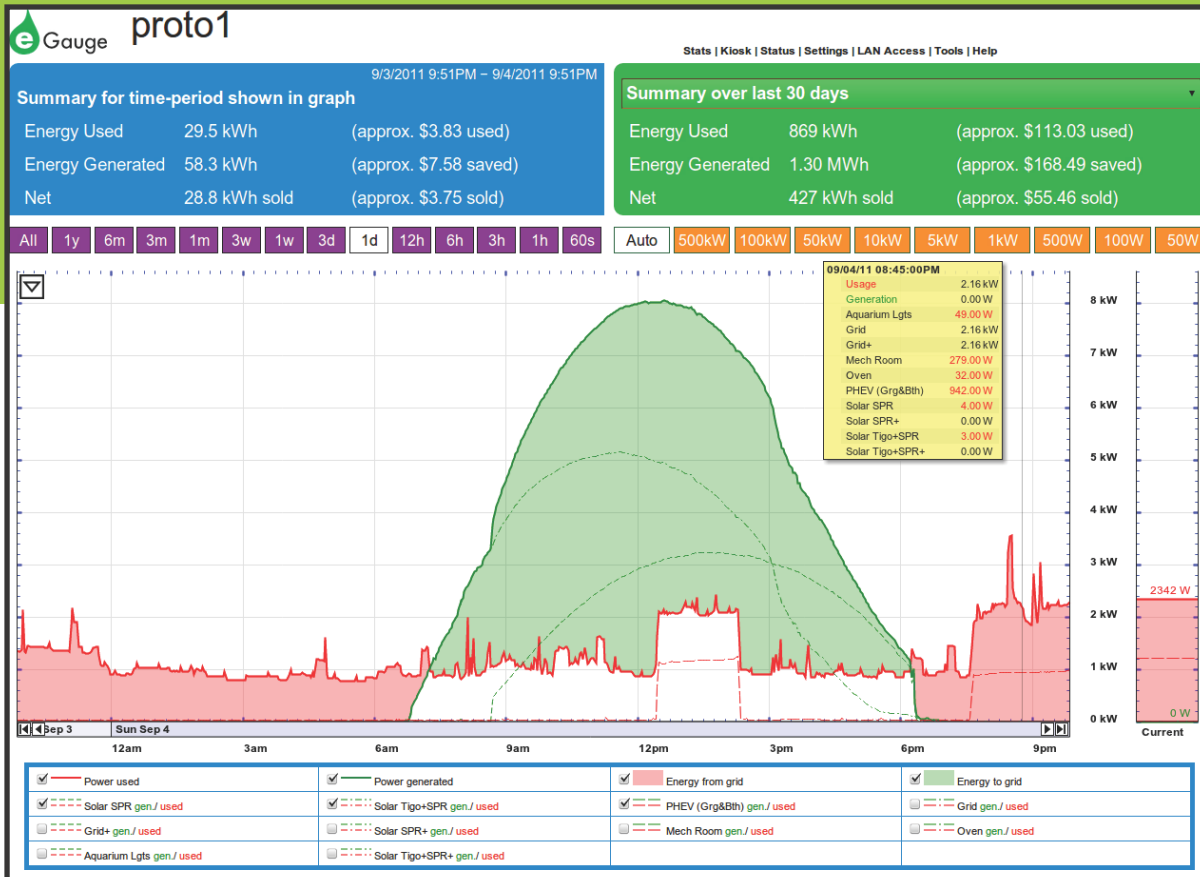
Power-line communication and Ethernet hardware

EG3000

Ethernet hardware only

New Features:

- 💧 Remote device additions (Modbus RTU)
- 💧 Accu-CT integration (revenue grade c0.6)
- 💧 Factory reset button
- 💧 Automatic Homeplug pairing
- 💧 eGuard Manager updates
 - + Production/consumption totaling
 - + Mapping of installation locations



General

Power usage: 2.5W typical
 Warranty: 2 year or 5 year
 Logging Values: V, A, W, Wh, Hz, VA, VAr, THD, deg

Measurement Capacity

Voltage: Up to 480Vac, 3 channels,
 85 - 277V (L1)
 0 - 277V (L2, L3)
 Current: 12 channels, up to 4800A
 Power: any voltage/current combination
 Frequency: 50 or 60 Hz

Environmental Conditions

Operating Temp: -30°C to 50°C (-22°F to 122°F)
 Max Altitude: 4000m (13,000 ft)
 Max Humidity: 80% up to 31°C
 Meas. Category: III (fixed installation)
 Location: indoor or outdoor (in enclosure)
 Pollution Degree: 2

Enclosure

Material: flame-retardant ABS (UL94-V0)
 Size: 176x85x30mm² (7"x3.4"x1.2")
 Weight: 220g (8oz)

Regulatory

Safety: Conforms to UL STD 61010-1
 Certified to CAN/CSA STD C22.2
 No. 61010-1
 Lead-free and RoHS compliant
 FCC: CISPR 11 Group 1 class B,
 FCC 47CFR 15 class B
 CE

Requirements

- Homeplug AV adapter within approx. 50ft of main unit
- Compatible web browser:
 - + Google Chrome
 - + Firefox 2+
 - + Safari 3.1+
 - + Internet Explorer 7+
 - + Any browser with JavaScript and SVG or CANVAS Support
- For internet-connection operation;
 - > 256 Kbps upload speed

eGuard Manager

- Allows installers to view multiple systems on one screen
- Proactive customer service tool for trouble shooting and performance verification
- Email and SMS Alerts (user defined)
- Web-enabled parameter sorting
- Tool for monthly billing, PPA, O&M, and sub-metering
- Multiple user / restricted access support with sub-group organization

	Name	Con	Avail	Temp	Average Power [W]			
					Gen	Use	Gen	Use
	Arbco	●	100%	54°C	n/a	n/a	n/a	n/a
	BVSDARidge	●	100%	55°C	n/a	n/a	n/a	n/a
	BVSDHPeaks	●	100%	50°C	4	4	1217	12
	BVSDMesa	●	97%	37°C	1	4	1032	72
	BVSDNVista	●	100%	44°C	4	n/a	519	4
	BVSDThorne	●	99%	54°C	7	19	995	4
	BauhsHouse	●	100%	42°C	2	1	397	7
	CasaEldorado	●	99%	50°C	n/a	38	n/a	6
	David	●	0%	56°C	1	1	1681	1
	EGVan	●	100%	48°C	5	3	1470	10
	ERCaboVilla301	●	98%	52°C	n/a	77	n/a	15