



Product Name or Type:  
EW3000-MD3

Available With :  
12 current tranducer

Published :  
2015

Applicable For:  
Smart office Home office (SOHO),  
Small office, transportation, factory,  
power plan, residential

## 01 Hardware Description

**Energy Watcher EW3000 Series** is an affordable, flexible, secure, web-based electric energy and power meter that can measure up to 12 circuits on up to 3-phases (120V–480V, 50–60Hz). Use it to measure and record total building electrical consumption, solar, wind, consumption of individual circuits, such as appliances or geothermal system pumps, and motors. eGauge is best suited to provide.

### Contact

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## 02 Specification

Category	Specification
General	
Power usage	2.5W typical
Warranty	2 year or 5 year
Logging values	V, A, W, Wh, Hz, Va, VAr, THD, deg
Expansion Port	Max range 25m.
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,
Weight	FCC 47CFR 15 class B
CE	
Key Features	
Downlink Speed	21Mbps
Uplink Speed	5.76Mbps
Wi-Fi Standars	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b IEEE 802.3 and IEEE 802.3u
Ethernet ports	Four
External antennas	(several options available)
Integrated OpenVPN, IPSec and Dynamic DNS	Yes
3G backup WAN function	Yes
SMS Reboot and Status by SMS functions	Yes
Send/read SMS by HTTP POST/GET methods	Yes
Status (including 3G info) monitoring by SNMP	Yes
DIN rail mounting	(optional)
Two pin terminal block power connector	(optional)
Wide input voltage range	(new revision only)
Power over Ethernet (LAN and WAN) ports	(new revision only, not compliant with IEEE 802.3af-2003)
UMTS/GSM specifications	
UMTS	850/900/AWS1700/1900/2100 MHz
GSM/GPRS/EDGE	850/900/1800/1900 MHz
LAN and Wi-Fi	
Virtual server	Yes
OpenVPN	Yes
IPSec	Yes
PPPoE	Yes
Electrical, Mechanical & Environmental	
Power consumption	< 7W
Antenna connectors	2 x SMA for GSM (1xSMA for HSUPA routers), 1 x RP-SMA for Wi-Fi
Indicators	4 x Ethernet LEDs, 1 x Power LED, 1 x GSM LED
Operating temperature	0° to 50° C
Storage temperature	-20° to 70° C
Operating humidity	10% to 90% Non-condensing
Storage humidity	5% to 95% Non-condensing

## 03 How system works

