



All Things. Be One™



What is B.One Energy Manager?

B.One Energy Manager allows you to manage the energy consumption and production in your building, home or business. B.One energy manager provides you with detailed insights into your energy consumption patterns vs production via a intuitive user interface. It helps you achieve your energy saving goals by automating your electrical appliances. It also allows you to monitor and control all your devices from anywhere in the world.

Monitors real time status of your Home / Business Energy Consumption and Production



Shows what devices are consuming / producing how much power



Allows you to automate Turns the switches to turn automatically ON / OFF based on the timer



Limit Consumption based on Daily, Weekly and Monthly energy usage by configuring alerts



Prerequisites to use B.One Energy Manager:



B.One App



B.One Hub



Wattwatcher Unit (Auditor3M/6M)

Technical Specification

Electrical characteristics

Measurement configuration	Voltage	1, 2 or 3 phase (Neutral required)
	Current	CT or Rogowsk
	Mode	Fundamental only / all harmonics
Measurement accuracy	Current and voltage	Meter is 0.1%. CT's supplied reduce this to 0.5% = 1%
	Power	Real power: 1 % of reading from pf 0.8 leading to 0.5 lagging: Reactive power: 2% below 0.5 lagging
	Frequency	200 ppm
	Power factor	2% from 0.8 leading to 0.5 lagging
	Active energy	Class 1 as defined by IEC 62053-21
	Reactive energy	Class 2 as defined by IEC 62053-23
Input-voltage characteristics	Measured voltage	50 to 265 V AC
	Permissible overload	1.15 Un, 1 minute
Input-current characteristics	Standard CT ratings	60A, 120A, 400A, 600A, Rogowski coils
	Internal burden	2.7 ohms (same value used for all standard CTs)
	Full Scale	100 mA
	CT Connections	Not isolated (Neutral referenced)
Internal Power	1W Single Phase (P1)	

Communication

2G / 3G	Pentaband
Antenna	External, SMA connector
SIM	Internal (WW, or accredited partners)

Network

Public Network	Routes	Consult vendor
Private APN	APN	Consult vendor
	Routes	Consult vendor
	APn	Consult vendor



**REAL-TIME
MONITORING
AND CONTROL
OVER THE INTERNET**