

inPower Specification

Building Management Systems

+1-207-370-6517

sales@powerwisesystems.com

Description

The inPower is a kilowatt hour (kWh) energy and power meter with ANSI C12.1 and ANSI C12.20 class 0.5 accuracy. It communicates via Modbus RTU. This meter can measure all 1, 2, or 3 phases, in delta or wye services, from 120 to 600 Vac. Using split core current transformers, it can measure 5 to 6,000 amps. It is packaged in a compact, DIN-rail mount enclosure.

Data Provided:

- Power (Real, Apparent, & Reactive)
- Energy (Real, Apparent, & Reactive)
- Power Factor
- Voltage (Phase-Neutral, Phase-Phase)
- Line Frequency
- Current



Power Supply

• 12-24VDC/24VAC, 1VA Max

General Electrical

Line Frequency: 45 to 65 Hz
Line-to-Neutral VAC: 90 to 347

Vac

• Line-to-Line VAC: 120 to 600

Vac

• Over-Current Limit: 200% of

rated current.

Current Transformer Inputs

• Input Voltage: 0 - 0.333 VAC

Regulatory

UL: UL Listed 2808

• FCC: Class B, FCC Part 15, radiated and conducted emissions

CE: EN 61326-1: 2013, industrial locations

RoHS Compliant



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Environmental

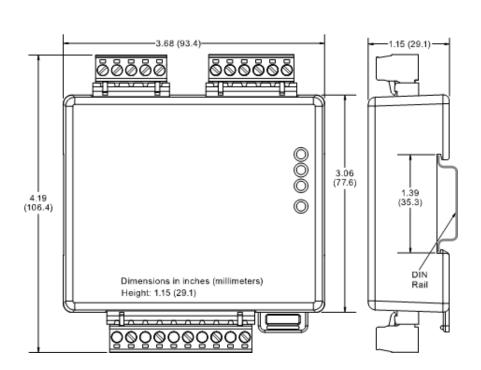
Temperature: (-40°C to +80°C)
 Humidity: non-condensing, 5 to 90% (RH) up to 104°F (40°C)

Mechanical

Enclosure: High impact, ABS/PC plastic

 Flame Resistance Rating: UL 94V-0, IEC FV-0

• **Size:** 19 in. × 3.68 in. × 1.15 in. (106.4 mm × 93.4 mm × 29.1 mm)



Altitude: Up to 9842 ft (3000 m)