Compact Power and Energy Meter

The E50 Series DIN Rail Meter combines exceptional performance and easy installation to deliver a cost-effective solution for power monitoring needs. The E50 can be installed on standard DIN rail or surface mounted as needed. All models include pulse output and phase alarms for true versatility in all applications. Multiple additional output options offer flexibility: pulse, Modbus, 4-20mA*, and 0-5VDC*.

APPLICATIONS
- Renewable energy
- Energy management
- Commercial submetering
- Industrial monitoring
- Cost allocation

* Coming soon!

SPECIFICATIONS

Voltage Inputs: UL: 90V (L-N) to 600V (L-L); CE: 90V (L-N) to 300V (L-N)
Frequency: 45-65 Hz
Current Inputs:
Scaling: 5A to 32,000A
Input Range: 0 to 0.333V or 0-1V (selectable)
Control Power: UL: 90V (L-N) to 600V (L-L); CE: 90V (L-N) to 300V (L-N)
Measurement Accuracy:
Real Power and Energy: 0.5% (ANSI C12.20; IEC 62053-22 Class 0.5S)
Environmental:
Operating Temperature Range: -30° to 70°C (-22° to 158°F); Display 0° to 50°C (32° to 122°F)
Humidity Range: <95% RH noncondensing
Outputs:
All Models: Real Energy Pulse: N.O. static; Alarm contacts: N.C. static
E50B: Reactive energy pulse 30VAC/DC
E50C, E50G*: RS-485 2-wire Modbus RTU
E50D*: 4-20mA analog, 9-30VDC supply required
E50E*: 0-5VDC, self-powered
Approvals: UL listed, CE

For complete specifications, see full Installation Guide at www.veris.com
* Coming soon!
**DATA OUTPUTS**

- **kW, kWh**
  - Current: 3-phase average
  - Voltage: 3-phase average
- **Current:** by phase
- **Voltage:** by phase Line-Line and Line-Neutral
- **Power:** Real, Reactive, and Apparent; 3-phase total and per phase
- **Power Factor:** 3-phase average and per phase
- **Frequency:** Phase A
- **Power Demand:** Most Recent and Peak
- **Demand Configuration:** Fixed, Rolling Block, and External Sync

**DIMENSIONAL DRAWING**

**MOUNTING DIAGRAMS**

**ORDERING INFORMATION**

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<th>MODEL</th>
<th>DESCRIPTION</th>
<th>OUTPUT</th>
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<td>E50B1</td>
<td>Pulse output only</td>
<td>Pulse 2-pulse</td>
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<tr>
<td>E50C2</td>
<td>Modbus output (FO5)</td>
<td>4-20 mA 0-5 VDC</td>
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<tr>
<td>E50D1*</td>
<td>Analog output</td>
<td></td>
</tr>
<tr>
<td>E50E1*</td>
<td>Analog output</td>
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</tr>
<tr>
<td>E50G1*</td>
<td>Modbus output, 60-day data logging</td>
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**ACCESSORIES**

- NEMA 4 enclosure (pictured at right): AE003
- For DIN Rail Mounting: AV01, AV02
- Fuse Kits: AH02, AH03, AH04
- RS-485 to RS-232 Converter: AH07

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1 E50D and E50E have kW/kWh output. Full data set is visible on the LCD only.

* Coming soon!