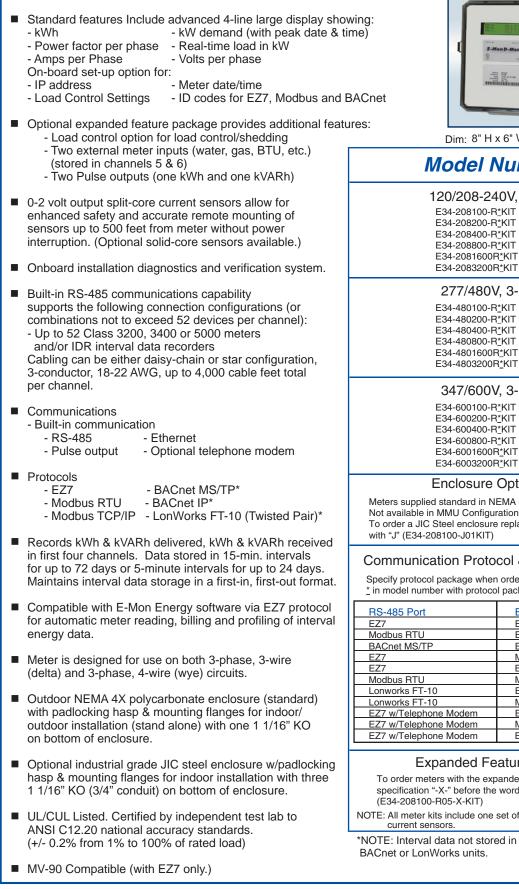
# CLASS 3400 Smart Meter

Advanced kWh/Demand Meters with Communication

# **Features**



(800) 334-3666 - www.emon.com

Dim: 8" H x 6" W x 3 3/4" D Model Numbers 120/208-240V, 3-Phase E34-208100-R\*KIT (100 amp) E34-208200-R\*KIT (200 amp) E34-208400-R\*KIT (400 amp) E34-208800-R\*KIT (800 amp) E34-2081600R\*KIT (1600 amp) E34-2083200R\*KIT (3200 amp)

#### 277/480V, 3-Phase

E34-480100-R\*KIT (100 amp) E34-480200-R\*KIT (200 amp) E34-480400-R<sup>\*</sup>KIT (400 amp) E34-480800-R\*KIT (800 amp) E34-4801600R\*KIT (1600 amp) E34-4803200R\*KIT (3200 amp)

## 347/600V, 3-Phase

E34-600100-R\*KIT (100 amp) E34-600200-R<sup>\*</sup>KIT (200 amp) E34-600400-R\*KIT (400 amp) E34-600800-R<sup>+</sup>KIT (800 amp) E34-6001600R\*KIT (1600 amp) E34-6003200R\*KIT (3200 amp)

#### **Enclosure Options**

Meters supplied standard in NEMA 4X outdoor enclosures. Not available in MMU Configuration. To order a JIC Steel enclosure replace "R" in model number

## **Communication Protocol & Option Packages**

Specify protocol package when ordering all meters. Replace in model number with protocol package specification below.

RS-485 Port	Ethernet Port	Specify
EZ7	EZ7 Ethernet	01
Modbus RTU	EZ7 Ethernet	02
BACnet MS/TP	EZ7 Ethernet	03
EZ7	Modbus TCP/IP	04
EZ7	BACnet IP	05
Modbus RTU	Modbus TCP/IP	06
Lonworks FT-10	EZ7 Ethernet	07
Lonworks FT-10	Modbus TCP/IP	08
EZ7 w/Telephone Modem	EZ7 Ethernet	09
EZ7 w/Telephone Modem	Modbus TCP/IP	10
EZ7 w/Telephone Modem	BACnet IP	11

#### Expanded Feature Package

To order meters with the expanded feature package add the specification "-X-" before the word KIT in the model number.

NOTE: All meter kits include one set of three (3) split-core

Effective Date: 12/1/2011





# CLASS 3400 SMART METER E-MonD-M **ENGINEERING** SPECIFICATIONS

Class 3400 Smart Meter Specifications

Meter shall be fully electronic with 4-line by 20-character backlit LCD display showing kwh, kW demand (with peak date and time), power factor per phase, real-time load in kW, Amps per phase and Volts per phase.

Meter shall utilize 0-2 volt AC output current sensors to allow paralleling and/or mounting up to 500 feet from the meter. Sensors shall be of split-core configuration to allow installation without disconnecting cabling, etc. Sensors shall be available from 100 amp to 3200 amp. Sensors shall be optionally available in solid-core configuration (100 & 200 amp.)

Energy Monitoring Products & Systems

Meter shall be field programmable for meter date/time, IP address and ID code for communication option and optional load control settings.

Meter shall provide installation diagnostics on display.

Meter shall be enclosed in a NEMA 4X polycarbonate enclosure (standard) with padlocking hasp & mounting flanges for indoor/outdoor installation (stand alone) with one 1 1/16" KO on bottom of enclosure. Optional heavy duty JIC steel enclosure available for indoor installation.

Meter shall be UL/CUL Listed to latest applicable standards for safety.

Meter shall meet or exceed ANSI C12.20 accuracy standards.

Meter shall provide non-volatile memory to maintain reading during power outages.

Meter shall store interval data for kW and kVAR for up to 72 days in first-in first-out format. (Standard firmware).

Meter shall provide optional 5th & 6th channel for logging inputs from third-party metering devices (gas, water, BTU, etc.) Both channels provide interval data logging that can be read via E-Mon Energy software and Modbus.

Meter shall be capable of daisy-chain or star connection using RS-485 communications in combinations of Class 3200s, 3400s, 5000s, IDR-8s, IDR-16s not to exceed 52 devices. Cabling shall be available through terminal block (3-conductor), 18-22 AWG, up to 4,000 cable feet total.

Meter shall be available with the following communication protocol & option packages:

RS-485 Port	Ethernet Port	Specify
EZ7	EZ7 Ethernet	01
Modbus RTU	EZ7 Ethernet	02
BACnet MS/TP	EZ7 Ethernet	03
EZ7	Modbus TCP/IP	04
EZ7	BACnet IP	05
Modbus RTU	Modbus TCP/IP	06
Lonworks FT-10	EZ7 Ethernet	07
Lonworks FT-10	Modbus TCP/IP	08
EZ7 w/Telephone Modem	EZ7 Ethernet	09
EZ7 w/Telephone Modem	Modbus TCP/IP	10
EZ7 w/Telephone Modem	BACnet IP	11

