* + 1. The PXM350 series:
       1. Where indicated on the drawings, provide a microprocessor based line of multifunction energy meter(s), designated (EM) is equal to Eaton model PXM350 series meter. The meter device shall be UL/CUL listed and RoHS compliant. All meters shall have the following ratings, features, and functions, unless a specific meter type is designated.
       2. Meter shall be designed for Multifunction Electrical Measurement on single or 3 phase power systems. The Meter shall support Single Phase (AN or AB), Split Phase (ABN), Delta (ABC), and Wye (ABCN) systems.
       3. The meter shall be user programmable for voltage range up to 32000 volts for use with Potential Transformers.
       4. The meter shall accept a direct voltage input over the range of 90 to 690 VAC (50 or 60 Hz).
       5. Meter shall accept a current input of \*(80/100/200mA), (333mV), (5A/1A configurable), or (Rogowski Coil) from up to three, current transducers. Model PXM350MA6(1,3,5)4X meters shall have a 4th ct input for measuring neutral current.
       6. The meter shall have the following additional ratings and features:
          1. The measured energy consumption shall be retained in non-volatile memory.
          2. The meter shall contain an internal clock for time of use measurements.
          3. The meter shall contain both a physical and electronic sealing function so that the meter parameters may not be accessed when sealed.
          4. The power meter shall support a connection error feature that helps to identify wiring errors
          5. The meter shall contain a relay output that can be configured for remote control or alarm.
          6. The meter shall have an event log to record programming changes, clearing of demand values and clearing the meter.
          7. The meter shall have an alarm log with 12 monitored parameters that can operate the relay output or be viewed through communications.
          8. The meter shall be capable of having all connections and programing wire-sealed to prevent tampering or modifications
          9. The meter shall be Measurements Canada Certified.
       7. The meter shall be able to monitor and display phase and average current and voltage, frequency, phase and average power factor, and phase and total power (apparent, reactive, and real).
          1. Model PXM350MA6X2X meters shall be able to monitor and display present and peak power demand (Real, reactive and apparent), and per phase and total energy (real, reactive and apparent) and time of use.
          2. Model PXM350MA6X4X meters shall be able to monitor and display present and peak (positive and negative) power demand (real, reactive and apparent), per phase real energy (signed net & total positive & negative), reactive energy (positive and negative per quadrant as per IEEE 1459-2000), and apparent energy (signed net & total positive & negative) and time of use.
       8. The meter shall meet the accuracy requirements of ANSI C12.20 (Class 0.5%) and IEC62053-22 Class .5S for real power and energy and Class 2 for reactive power and energy accuracy specifications.
       9. The meter shall include a multi-line backlit LCD display showing measured parameters.
          1. The meter shall be suitable for installation on T35 (35mm) DIN rail according to standard EN50022 or screw mounted to a panel.
          2. The meter shall be optionally available in an outdoor NEMA 4X enclosure.
          3. The meter shall have dimensions not exceeding 4.2” wide x 3.6” high x 2.3” deep.
       10. The meter shall include 1 independent communication port.
           1. Meter port shall provide RS485 communication speaking BACnet MS/TP or Modbus RTU protocol at 1200 baud to 38,400 baud; odd, even, or no parity.
       11. The meter shall provide user configured fixed window, sliding window, rolling window or thermal demand. This shall allow the user to set up the particular utility demand profile.
       12. The meter shall be capable of operating on a power supply of 100 ~ 415 Vac.
           1. The power meter shall have separate control power inputs such that may be powered from a different service than it measures.
       13. Meter shall be able to be stored in (-40 to +85) degrees C
           1. Operating temperature for the meter shall be (-25 to +75) degrees C