

## Features

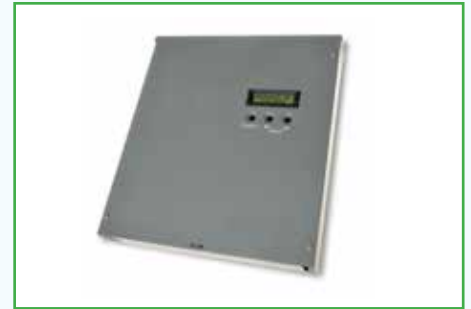
- Fast installation for new construction or retrofits with maintenance-free design.
- Measures Wh delivered & received, VARh delivered & received, Vah, Vrms and Irms.
- Modbus® TCP and BACnet® protocols for building automation integration.
- Datalogging: non-volatile flash memory unaffected by power outages stores up to 2.4 years of interval data.
- Uses existing wireless, phone or high-speed internet connections.
- Remotely upgradable firmware for future protocol support.
- Solid-core 200A Current Transformer, CTR 200:0.08A.
- Required M54500 Interface module.

## Configurations

**6303 Multi-Point Smart Meter**—Designed to monitor branch offices, remote loads and other low density applications. The 6303 provides six meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.

**6312 High Density Smart Meter**—Designed to monitor multi-tenant office buildings, medium-sized retail, industrial or institutional buildings, multi-tenant residential buildings and other high density applications. The 6312 provides twenty-four meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.

**6320 High Density Smart Meter**—Designed to monitor high density applications but with additional elements available for configuration. The 6320 provides fifty meter elements that can be configured as any combination of 1-, 2- or 3-phase meters.



## Overview

H2O Degree offers a variety of submeters for your energy management applications.

The H2O Degree EM-6000 Electric Smart Meter combines revenue-grade electrical submetering with advanced communication technology—complying with all regulatory electric safety and communication requirements and meeting stringent ANSI C12.20 Class 0.5 standards.

Using advanced IP-based communications, the 6000 Series meter transmits data over existing wireless, phone or high-speed internet connections without the cost of a dedicated service. There is no need to purchase or maintain additional computers or meter reading equipment.

## Ordering Information

Model	Description
EM-6303	EM-6303 Multi-Point Electric Smart Meter—6 element
EM-6312	EM-6312 Multi-Point High Density Electric Smart Meter—24 element
EM-6320	EM-6320 Multi-Point High Density Electric Smart Meter—50 element
M54500	Required Interface Module—See spec for details.

## Technical Specifications

- Dimensions: 13" H x 12" W x 2" D
- Voltage: 120/208V, 120/240V, 240/416V, 277/480V (Higher voltages supported with potential transformers)
- 50Hz and 60Hz models
- Service Type: Single, Poly & 3-Phase + Neutral
- Accuracy: ANSI C12.20 0.5 Accuracy Class
- Measurements: Wh delivered & received, VARh delivered & received, Vah, Vrms, Irms
- Demand Interval: 1 to 60 minutes
- Operating Temperature: -40 to +70 degrees C (6320 = 0-50 degrees C)
- Operating Humidity: 0 to 90% non-condensing
- For indoor use only; NEMA 4 cabinet available for outdoor applications
- Maximum Altitude: 3000m (6320 2000m)
- Pollution Degree: 2
- Safety: UL Certified to IEC/EA/UL/CSA—61010-1 2nd Edition CSA-C22.2 No. 61010-1-04
- Emissions (EMC): FCC Part 15 Class B, ICES-003, IEC6100-4-5
- Surge power/telephone lines: ANSI/TIA968-A: 2002
- State of California Approved—Certificate Number: 5563©-15
- NYPSC Approved, Measurement Canada Approved