

Actual photo of installed unit

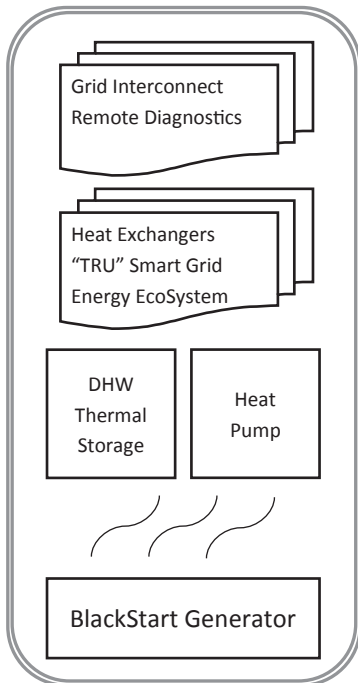


## Revolution CORE™ 'How it Works'

©2020 All plans, designs, systems and methods remain exclusive property of ElectroMotion Energy and any use without written consent is prohibited.

### Revolution Technology

The Revolution CORE™ contains off-the-shelf technologies with proprietary, unique, and patented processes and technologies—all within a four foot square insulated enclosure which provides an optimum operating environment and eliminates machine noise to keep you and the neighbours happy.

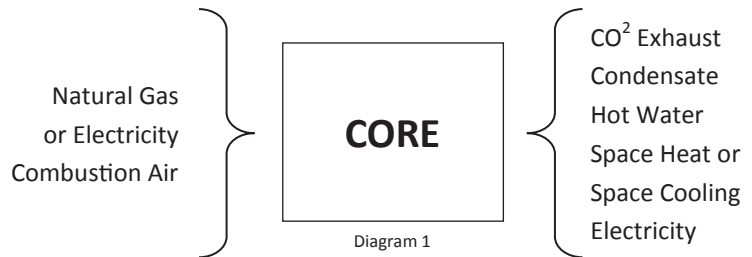


ELECTROMOTION ENERGY CORPORATION's patented Revolution™ is a Synergistic Energy Heat Pump (SEHP) technology rreplaces conventional heating, cooling and hot water systems with one complete unit.

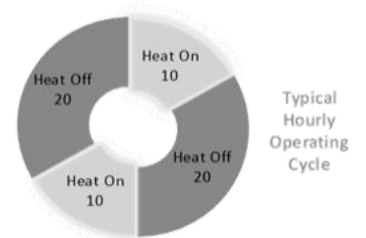
### Revolution CORE™

The Revolution CORE™ is a new category of cleantech HVAC technology called Synergistic Energy Heat Pump (SEHP) technology. It is designed for homes and light commercial building application.

**Diagram 1** illustrates what is consumed and generated during a normal heating mode when using natural gas to produce heat and electricity.



Having similar runtimes as a typical home heating system when providing space heat, the Revolution provides *electricity as a byproduct* which seamlessly takes the home 'off grid' to either provide electricity to the utility which is then consumed by neighboring homes *or* charge onsite battery systems such as Tesla PowerWall, the GENERAC PWRcell Energy Storage System, or Mercedes-Benz Energy Storage system.



**Diagram 2** illustrates how electricity is provided *first* to the home *before* any electricity is provided to the utility. The home is still connected to the grid—just producing more electricity than it needs. This offers both technical and marketing advantages the likes never before available.



Using natural gas or electricity from the utility to provide either heating, cooling or hot water to the home provides the ability to participate in programs such as Time of Use (TOU) and Demand Side Management (DSM)—with the added advantage of being able to do *both* at the same time with *either* the gas or electrical utility!



Actual photo of installed unit



## Revolution CORE™ 'How it Works'

©2020 All plans, designs, systems and methods remain exclusive property of ElectroMotion Energy and any use without written consent is prohibited.

### Installation Basics

The Revolution CORE™ is easily installed at your home using much the same processes for installing an air conditioner, hot water boiler or similar technology.

Revolution™ technology solves many of the problems conventional methods have like:

- ◇ **SEPARATE** systems that require their own separate location, electric, gas and other connections
- ◇ **MULTIPLE TRADES** people which is a problem—who do you call for what?
- ◇ **LOST LIVING VALUE** as more space in the home is required for each system—a normally 'hidden' but real cost
- ◇ **ENERGY SECURITY** when the power fails *everything* fails—except the Revolution with providing your family heat, hot water and electricity.

The Revolution CORE™ has *integrated* and synergistic components which simplifies and reduces costs and complexities—while also leveraging *each system* to benefit the other.

Multiple Revolutions collaborate and create dynamic micro-grids that proactively assist natural gas and electric utility networks that reduce or even eliminate outages, peak grid, and other benefits that are *Revolutionary!*



Electricity



Heat/Cool



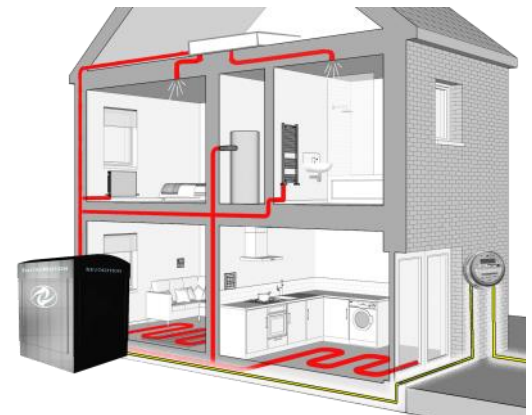
Hot Water



Energy EcoSystem

The Revolution CORE™ provides unprecedented advantages for your home by integrating and leveraging the following normally separate components:

- ◇ DOMESTIC HOT WATER
- ◇ SPACE/FORCED AIR HEAT
- ◇ RADIANT FLOOR HEATING
- ◇ SPACE COOLING (A/C)
- ◇ HEAT PUMP TECHNOLOGY
- ◇ SMART HOME TECHNOLOGY
- ◇ BLACKSTART GENERATOR
- ◇ AUTOMATIC GRID-INTERCONNECT



### Guaranteeing ENERGY

The Revolution CORE™ includes an automatic disconnect and reconnect system for interconnection with the electric utility system. It provides your home seamless heat and power energy—protecting you from outages even during a winter storm!

**Diagram 3** illustrates how the Revolution interconnection works—there are three redundant systems to prevent any electric 'back feeding' to the utility during power outages while also providing 'black start' and revenue-generating power producer clean energy advantages.

