



Making your home Green & Smart



Ecoer Website



Ecoer Hero Academy



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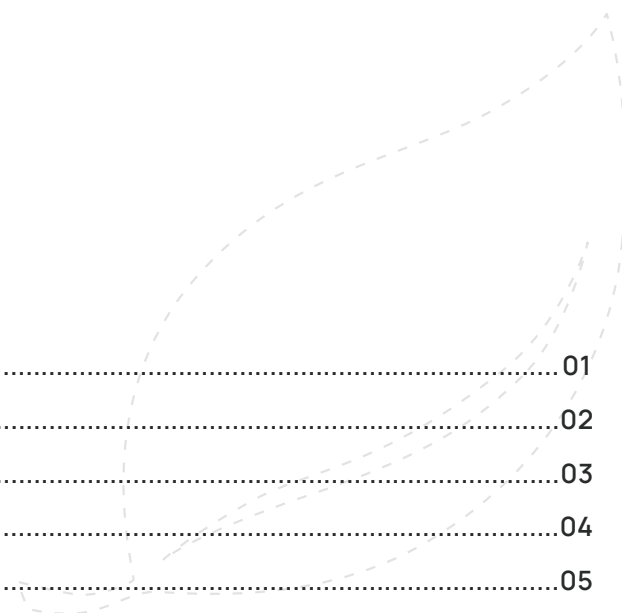
Making your home Green & Smart

2025 PRODUCT CATALOG



Make a smart and green choice with Ecoer's innovative residential heat pump and AC systems that cost less and save up to 50% in energy costs

TABLE OF CONTENTS



About Ecoer	01
Ecoer Smart HVAC Solutions	02
New TDi R454b NEW Product Series.....	03
-NEW TDi PRO 2.....	04
-NEW RTi 2.....	05
-New SDi PRO 2	06
-New SDi Extreme 2	06
Ecoer R410a Product Series.....	07
-TDi PRO	08
-ESi Decades Extreme	09
-ESi Decades.....	10
-Ecoer RTi.....	11
-SDi Decades Extreme	12
-SDi A-Coil.....	13
-G Series A-coil	13
-120V Air Handler.....	14
Ecoer Gas Furnace	15
-97% AFUE Furnace	16
-96% AFUE Furnace	17
-95% AFUE Furnace	18
-80% AFUE Furnace	19
Smart Green One Series.....	20
Smart Control Solutions	22
Ecolink Gateway & 4G IoT Gateway	23
EST02 & EST01 WiFi Smart Thermostats	24
Grow Your HVAC Business with Ecoer.....	25
Ecoer Rebate Center	27
Ecoer Hero Academy.....	28
Customer Service & Support	29



About Ecoer

One of The Most Innovative Residential Ducted Heat Pumps and AC Systems Available

Since 2016, Ecoer has been a pioneer in using proprietary, patented inverter and smart IoT technology to revolutionize ducted residential air conditioners and heat pump systems.

Built on dynamic and ever-evolving innovations, our mission is clear: to provide higher-efficiency, affordable products, simplify installation, and seamlessly connect contractors with homeowners and their systems.

As an industry trailblazer in digitizing the refrigerant charging process, we provide contractors with an unparalleled experience of ease, efficiency, and precision. We are dedicated to delivering exceptional value to homeowners throughout the entire lifetime ownership of our systems, and contributing to a greener, more sustainable world.





Ecoer Smart HVAC Solutions

Ecoer
Website





**Smarter and Greener
More Efficient and
Comfortable!**

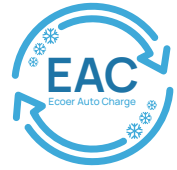


**Introducing Ecoer R-454B
Product Series**



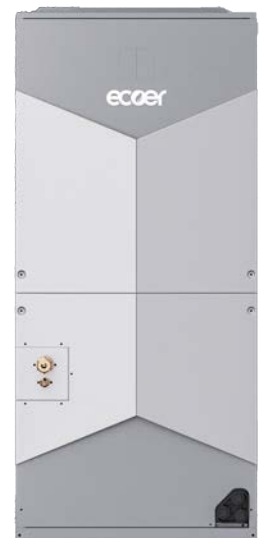
NEW TDi PRO 2 Heat Pump

- 1 Factory monitoring through Ecoer smart IoT gateway.
- 2 R-454B Refrigerant - Lower Global Warming Potential.
- 3 High efficiency - Up to 20 SEER2 /10 HSPF2/13 EER2.
- 4 All combinations are eligible for IRA tax credit.
- 5 Meet Energy Star certification.
- 6 Corrosion resistant outdoor coil-1000 hours test to ASTM (B117) standard.
- 7 Choice of flare, ZoomLock, braze refrigerant line connection.
- 8 Fully automated refrigerant charging procedure.
- 9 Suitable for single and multiple fuel application.
- 10 Line set of up to 150 ft.
- 11 Filter dryer supplied with unit.



NEW TDi Air Handler

- 1 Support Ecolink.
- 2 Multi-position Installation - upflow or horizontal right standard, field convertible to horizontal left or downflow.
- 3 Oxygen-free copper evaporator - design to withstand the rigors of your environment.
- 4 Auxiliary contacts to control humidifier and dehumidifier equipment.
- 5 Anti-cold airflow function in heating mode.
- 6 Blocked filter alert (optional with kit).
- 7 Monitors total external static pressure TESP (optional with kit).
- 8 Constant airflow motor.
- 9 Fully integrated dehumidification control.
- 10 Auto airflow or 2-stage airflow comfort control for your option.
- 11 Industry leading multi-voltage compatibility, 230v or 115v.
- 12 Resettable fuse on PCB.
- 13 EEV control.
- 14 A2L Refrigerant detection.





NEW RTi 2

- 1 High Efficiency - Up to 18.5 SEER2 / 9.2 HSPF2.
- 2 Fully modulating inverter drive.
- 3 Wide cooling operational range from 20°F to 125°F.
- 4 Backup running technology to keep the system working even with malfunctioning sensors.
- 5 With Ecoer Smart IoT Gateway, the system can automatically monitor and diagnose the operation .
- 6 Sound level as low as 65dB .
- 7 Eligibility for IRA tax credit.
- 8 A2L Refrigerant detection.



NEW SDi PRO 2

- 1 Up to 17 SEER2 / 11.7 EER2 / 10 HSPF2.
- 2 Eligible for IRA tax credit.
- 3 Meet the requirement of Energy Star Cold climate.
- 4 Full-fledged Inverter Technology.
- 5 Universal match – comparable with the existing indoor unit and 24V on-off control.
- 6 Extremely quiet operation.
- 7 Ultra heating for up to 5 TON.
- 8 Golden fin with higher corrosion resistant.
- 9 No Clogging concern by the leaves or snow.
- 10 Smaller footprint compared with Top discharge condensing unit.
- 11 Ecoer Smart IoT technology available.
- 12 R-454B Refrigerant - Lower Global Warming Potential.



New SDi Extreme 2

- 1 Up to 16 SEER2 / 10 EER2 / 8.5 HSPF2.
- 2 Full-fledged Inverter Technology.
- 3 Extremely quiet operation.
- 4 Universal match – comparable with the existing indoor unit and 24V on-off control.
- 5 Ultra heating for up to 5 TON.
- 6 Golden fin with higher corrosion resistance.
- 7 No Clogging concern by leaves or snow.
- 8 Single fan design – smaller Outdoor Units, More Flexible Installation .
- 9 Ecoer Smart IoT technology available.

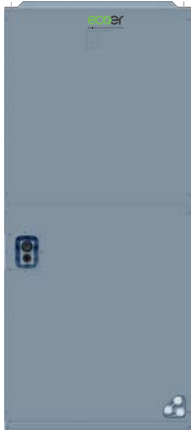




Ecoer R410a Product Series

Ecoer TDi PRO

- 1 Up to 13 EER2 / 20.5 SEER2.
- 2 Dual fuel available.
- 3 Refrigerant auto charge.
- 4 Two-stage automatic airflow.
- 5 Improved dehumidification.
- 6 Anti-cold-air function in heating mode.
- 7 Anti-frozen feature in cooling mode.
- 8 All combinations eligible for IRA tax credit.
- 9 All combinations meet the requirements of Cold Climate Energy Star (HCR at 5°F/47°F up to 81.7%).



AWARDED SILVER
AT ACHR 2024
DEALER DESIGN AWARDS



ESi Decades Extreme

- 1 High efficiency of up to 20 SEER2.
- 2 Full modulating inverter drive.
- 3 Quicker start-up time by 15% faster.
- 4 Wider operational range by cooling from 20°F (old units run from 40°F to 122°F).
- 5 Heating capacity increased by 10%-20% at 17°F.
- 6 Compressor equipped with noise-canceling jacket.
- 7 Dehumidification mode specifically designed for areas with high humidity.
- 8 Refrigerant auto-charge feature.
- 9 Backup running technology to keep system operating with malfunctioning sensors.



ESi Decades



- 1 Up to 18 SEER2 / 8.5 HSPF2.
- 2 Full modulating inverter drive.
- 3 Sound level as low as 56dB.
- 4 Compressor equipped with noise-canceling jacket.
- 5 Compatible with 24V thermostat.
- 6 Low temperature field setting.
- 7 Dehumidification mode specifically designed for areas with high humidity.
- 8 Refrigerant auto-charge feature.
- 9 Backup running technology to keep system operating with malfunctioning sensors.

Ecoer RTi

- 1 High efficiency - Up to 18.5 SEER2 / 9.2 HSPF2.
- 2 Fully modulating inverter drive.
- 3 Wide cooling operational range from 20°F to 125°F.
- 4 Sound level as low as 65 dB(A).
- 5 Eligible for IRA tax credit.
- 6 Backup running technology to keep system working even with malfunctioning sensors.
- 7 System can automatically monitor and diagnose operational data to predict possible faults and send alerts to service providers with Ecoer Smart IoT Gateway.



SDi Decades Extreme

- 1 Up to 16 SEER2 and 9.5 HSPF2.
- 2 Full-fledge inverter technology.
- 3 Extremely quiet operation.
- 4 Golden fin with higher corrosion resistance.
- 5 Universal match – compatible with existing indoor units and 24v on-off control.
- 6 Anti-cold air function prevents the cold on heating mode.
- 7 Auto defrost prevents outdoor unit from freezing up.
- 8 2-way draining: left and right sides of indoor unit have drainage hose connections for easy installation.
- 9 Emergency use function: unit will shut off immediately when temperature sensors detects an error.
- 10 Self-diagnosis and auto-protection: unit will shut off automatically when abnormal operation or parts fail protecting the system.
- 11 Fire-proof electric box meets fire safety requirement to prevent the internal fire due to electric spark.



Ecoer SDi A-Coil



- 1 Premium Heat Exchanger - Crafted with improved aluminum fins and tubing featuring internal grooves for superior performance.
- 2 Insulation-Enhanced Enclosure - The cabinets enclosing the evaporator coil are thermally insulated with foil-faced insulation, effectively preventing condensation. (Applicable to cased coil configurations only) .
- 3 Versatile Installation Options - The cased coil is equipped with two drain pans, facilitating multi-position installations. (Applicable to cased coil configurations only) .
- 4 Broad Compatibility - Our A-coils are designed to seamlessly match with Ecoer unitary products, as well as a variety of popular gas furnaces and split systems from other reputable brands.
- 5 UL Listed.

Ecoer G Series A-coil

- 1 Premium Heat Exchanger - Crafted with improved aluminum fins and tubing for superior performance.
- 2 Insulation-Enhanced Enclosure - The cabinets enclosing the evaporator coil are thermally insulated, effectively preventing condensation. (Applicable to cased coil configurations only)
- 3 Multi-position Installation - upflow or horizontal right standard, field convertible to horizontal left or downflow.
- 4 Broad Compatibility - Our A-coils are designed to seamlessly match with Ecoer unitary products, as well as a variety of popular gas furnaces and split systems from other reputable brands.



Ecoer 120V Air Handler

- 1** Adaptable Design for Any Space - Easily switch between upflow or horizontal right applications (convertible for down-flow or horizontal left).
- 2** Sealed Cabinet for Improved Efficiency - With less than 2% air leakage (meeting ASHRAE standard 193), the robust galvanized steel cabinet is fully insulated. It's easy to install following Ecoer's detailed instructions and includes a knockout for duct return.



- 3** Intelligent Motor Control - The constant torque ECM motors are smartly controlled by embedded software, maintaining consistent performance. These motors come pre-programmed from the factory for a hassle-free experience.
- 4** Streamlined Operation with Electronic Control Board - The electronic board simplifies system operation with fewer moving parts. It facilitates various hot water supply connections and includes a blower time delay for enhanced heat/cool extraction. An added feature is the pump, which circulates hot water every 6 hours to prevent coil freeze during the off cycle.

- 5** Flexible Hydronic Heat Kits - Experience elevated heating experience with our factory-installed modular hydronic heat kits and improve the heating versatility for users' comfort .
- 6** Efficient DX Coil Design - The high-efficiency DX coil boasts rifled copper tubes and enhanced aluminum fins for maximum heat transfer. Coils are thoroughly tested, nitrogen pressurized, and factory-sealed for reliability. Liquid-line Schrader allows for pre-installation pressure testing. The UV-safe GLP drain pan minimizes condensate and prevents corrosion, and an accessible door makes coil cleaning a breeze.



Ecoer Gas Furnace

Ecoer 97% AFUE Furnace

- 1 Complies with CSA safety certification and AHRI/CEE/NEEP energy efficiency requirements.
- 2 Achieves an AFUE of up to 98%, leading the industry.
- 3 Monitors room temperature (return air temperature) in real time, accurately identifies user needs, and enables gas input control as low as 1%.
- 4 Real-time monitoring of system operating negative pressure ensures precise matching of exhaust air volume to gas load requirements, guaranteeing combustion safety.
- 5 Supports one-click high-altitude adjustment without replacing any components (reduces by 2% per 1,000 feet).
- 6 Intelligent variable-speed blower technology automatically adjusts airflow based on demand, providing quieter operation.
- 7 Dual fuel system, seamlessly integrates with ECOER heat pump systems.
- 8 Supports upflow, horizontal, and downflow 4-way multi-position installation requirements.
- 9 Ecoer Smart IoT technology available.
- 10 The heating capacity range is adjustable from 35% to 100%.





Ecoer 96% AFUE Furnace

- 1 High Efficiency:** Up to 96% AFUE heating efficiency that is ENERGY STAR-rated.
- 2 Comfortable:** Designed with two stages to prevent drastic temperature swings and to keep your furnace running longer.
- 3 3-way multi-pose design:** Flexibility in multiple types of installations, available in up-flow (right or left return) and horizontal orientations.
- 4 Hassle-free installation:** All furnaces come standard with natural gas to propane gas conversion kit.
- 5 2 stage×13 ECM motors:** All Ecoer models operate efficiently and quietly.
- 6 Hot-surface ignition:** Dependable ignition, more reliable performance.
- 7 Durable parts:** Durable aluminized steel tubular heat exchanger and stainless-steel secondary heat exchanger.
- 8 Compatible with Ecoer heat pump:** Achieving up to 18.5 SEER2.
- 9 Compact design:** Low Profile cabinet construction allows for installation in tight spaces. Convenient left or right-hand connection for gas and electric service.
- 10 High-quality cabinet:** The cabinet is painted galvanized steel with an anti-rust coating, that passes a 500-hour salt spray test.
- 11 LED fault diagnostics:** Quick and easy service calls.



Ecoer 95% AFUE Furnace



- 1 Variable Speed Direct Drive Blower** - This energy-efficient brushless DC (ECM) motor optimizes airflow for superior temperature regulation, humidity management, and even air distribution.
- 2 Hot Surface Igniter** - Utilizes advanced silicon nitride technology for improved ignition performance.
- 3 Heating Cycle Blower Delay** - Ensures warm air at furnace start-up with adjustable blower off settings of 60, 90, 120, and 180 seconds.
- 4 30 Second Post Purge** - extend the lifespan of the heat exchanger
- 5 30-Second Delay for Blower Activation** - Guarantees the ducts are warm when the furnace initiates. Features customizable blower shut-off timings of 60, 90, 120, and 180 seconds.
- 6 60-Second Cooling Cycle Blower-Off Delay (TDR)** - Enhances cooling performance when paired with an Ecoer coil.
- 7 Color Coded Wire Harness** - Features quick-connect fittings for easy servicing and component replacement.
- 8 Diagnostic Lights** - Includes a dedicated light for flame signal strength and two additional lights to indicate all other fault codes, providing easy-to-recognize states without the need to count flashes.
- 9 LP Convertible** - Converting to LP is made easy with a simple change of the burner orifice and regulator spring.
- 10 Integrated Control Boards** - Equipped with connections for an electronic air cleaner, humidifier, and dehumidification, and ergonomically positioned for easy servicing.
- 11 2 Stage Inducer** - Maximizes efficiency during first-stage heating and minimizes noise levels.
- 12 Heat Exchanger** - Features a heavy-gauge aluminized steel primary heat exchanger and a stainless steel secondary heat exchanger, ensuring durability and longevity.
- 13 100% Fired and Tested** - Every unit and component undergoes thorough testing on the manufacturing line to ensure top-notch quality and performance.
- 14 Flexible Category IV Venting System** - Allows for vertical or horizontal venting using either a one-pipe or two-pipe system, providing maximum installation flexibility.
- 15 Body Height** - Ideal for low-ceiling applications, compatible with taller high SEER coils, and designed for easier handling and installation.
- 16 Sealed Vestibule** - Minimizes burner and inducer sound levels for quieter operation.



Ecoer 80% AFUE Furnace

- 1 Brushless DC (ECM) Multi-speed Direct Drive Blower** – Engineered for energy efficiency, offers a broad spectrum of cooling capacities. Its printed circuit board (PCB) features dip switches for straightforward motor speed adjustment.
- 2 Fully Tested** – Every unit and its individual components undergo 100% firing and testing on the production line.
- 3 Industry-leading Packaging** – The distinctive corner post design ensures that the product reaches the homeowner without any dents.
- 4 Low Body Design** – Ideal for applications with low ceilings, compatible with taller high SEER coils, and offers easier handling and installation.
- 5 Primary Heat Exchanger with Tubular Design** – The robust construction of the heat exchanger, made from heavy-gauge aluminized steel, ensures a prolonged lifespan.
- 6 30 Seconds Post Purge** – extend the lifespan of the heat exchanger.
- 7 30-Second Delay for Blower Activation** – Guarantees the ducts are warm when the furnace initiates. Features customizable blower shut-off timings of 60, 90, 120, and 180 seconds.
- 8 Hot Surface Igniter** – The furnace employs an innovative silicon nitride igniter, incorporating the reliable Smartlite® technology.
- 9 High Static Blowers** – Every model comes with high static blowers.
- 10 60-Second Cooling Cycle Blower-Off Delay (TDR)** – Enhances cooling performance when paired with an Ecoer coil.
- 11 Integrated Control Board** – This control board includes connections for an electronic air cleaner and humidifier.
- 12 Two-Piece Door Design** – Enhances the aesthetic of the furnace while using captured screws to avoid misplacing door screws.
- 13 Ultra-quiet Operation** – high insulation with blower compartment.
- 14 Air Leakage Compliance** – These furnaces meet the Energy Star requirement for cabinet air leakage, which is less than or equal to 2%, ensuring efficient distribution of conditioned air.
- 15 Color-coded Wire Harness** – tailored to seamlessly accommodate components, each equipped with quick-connect fittings for effortless servicing and replacement.



Smart Green One Series

Air to Water Heat pump





Ecoer Smart Green One

1 DC Inverter Technology

- High energy efficiency: COP Min/Max (DB / WB Temp. 45°F / 43°F, supply water temp. 95°F, return 86°F) up to 4.47 / 5.01.

2 Monobloc Design

- Indoor and outdoor units connect effortlessly with water pipes, which eliminating the risk of refrigerant leaks indoors, ensuring a safer environment for homes.
- No on-site refrigerant charging needed.

3 Low Ambient Temp. but High-Water Temp.

- The Smart Green One operates efficiently in temperatures as low as -13°F, with auxiliary heat kicking in below that threshold, ensuring continuous comfort.
- The unit is able to provide water temp. up to 140°F.

4 Low Noise Level

- With advanced technology including a DC fan motor, insulated compressor, and optimized air duct system, enjoy peace of mind with a sound level as low as 57 dB (A).

5 Multi-color Touch Panel

- Vividly and intuitively display various temperatures on the panel.
- The operation icons on the panel are clear and user-friendly, making the operation easy and straightforward.

6 Comfort

- Eliminate sudden bursts of heat or cold with gentle indoor temperature fluctuations.
- Maintain optimal indoor humidity levels without experiencing dry mouth and tongue.
- Enjoy comfortable heating without the sensation of wind blow.

7 Easy Installation

- Require only water pipe connections between the Monobloc, Hydraulic Modules, and hydraulic distribution systems.
- Simply connect to the power supply at the terminal for straightforward operation.
- Easily manage the hydraulic distribution system by connecting all control lines to the wiring terminals of the indoor Hydraulic Module or Basic Control Box.

8 Web Platform

- Users are able to view both historical running status and real-time data of their units on Ecoer's web platform.
- Maintenance technicians can adjust settings, view historical running data and monitor real-time data.

9 APP Control

- Users can effortlessly toggle their units ON/OFF, access real-time running data and customize settings such as water temperature, mode and timing to suit their preferences.



Smart Control Solutions



Ecolink Gateway

- 1 Multi-system connectivity.
- 2 More reliable signal coverage.
- 3 10 years monitoring service included.
- 4 Real-time / history data available.
- 5 No subscription fee.
- 6 No WiFi password required.

SKU	Description	
ELK01	Ecolink kit	
ELO02	Ecolink Adapter	

EG910L 4G IoT Gateway



- 1 Real-time Data Management.
- 2 Historical Data Recorded.
- 3 Automatic Updates.
- 4 Automatic Alerts.
- 5 24/7 Monitoring.
- 6 Remote Access.
- 7 10-Year Labor Warranty.

EST02 Smart WiFi Thermostat



- 1 Real-time Data Management.
- 2 Historical Data Recorded.
- 3 Automatic Updates.
- 4 Automatic Alerts.
- 5 24/7 Monitoring.
- 6 Remote Access.
- 7 OTA Upgrade Available.
- 8 Up to 4H2C.
- 9 Easy Installation & Operation.
- 10 3-Year Limited Warranty.
- 11 Blackout Memory Retention.
- 12 Bluetooth Connection.



EST01 Smart Thermostat

- 1 Remote control from smartphone.
- 2 Compatible with most 24V systems.
- 3 WiFi connectivity in 2.4 / 5GHz.
- 4 3-year limited warranty.
- 5 Customizable 7-day programming.



Grow Your HVAC Business with Ecoer

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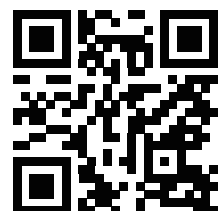
At ecoer, we understand the challenges contractors face, and we are committed to leveraging cutting-edge IoT technology to address the daily issues contractors encounter. Ecoer IoT solutions provide contractors with a seamless experience, drastically reduce installation time, and enable them to complete projects efficiently. Moreover, our after-sales maintenance is a breeze, and contractors can enjoy our industry-leading warranty services. We assist Ecoer-approved contractors by providing management and support tools, allowing you to focus more effectively on serving your clients!

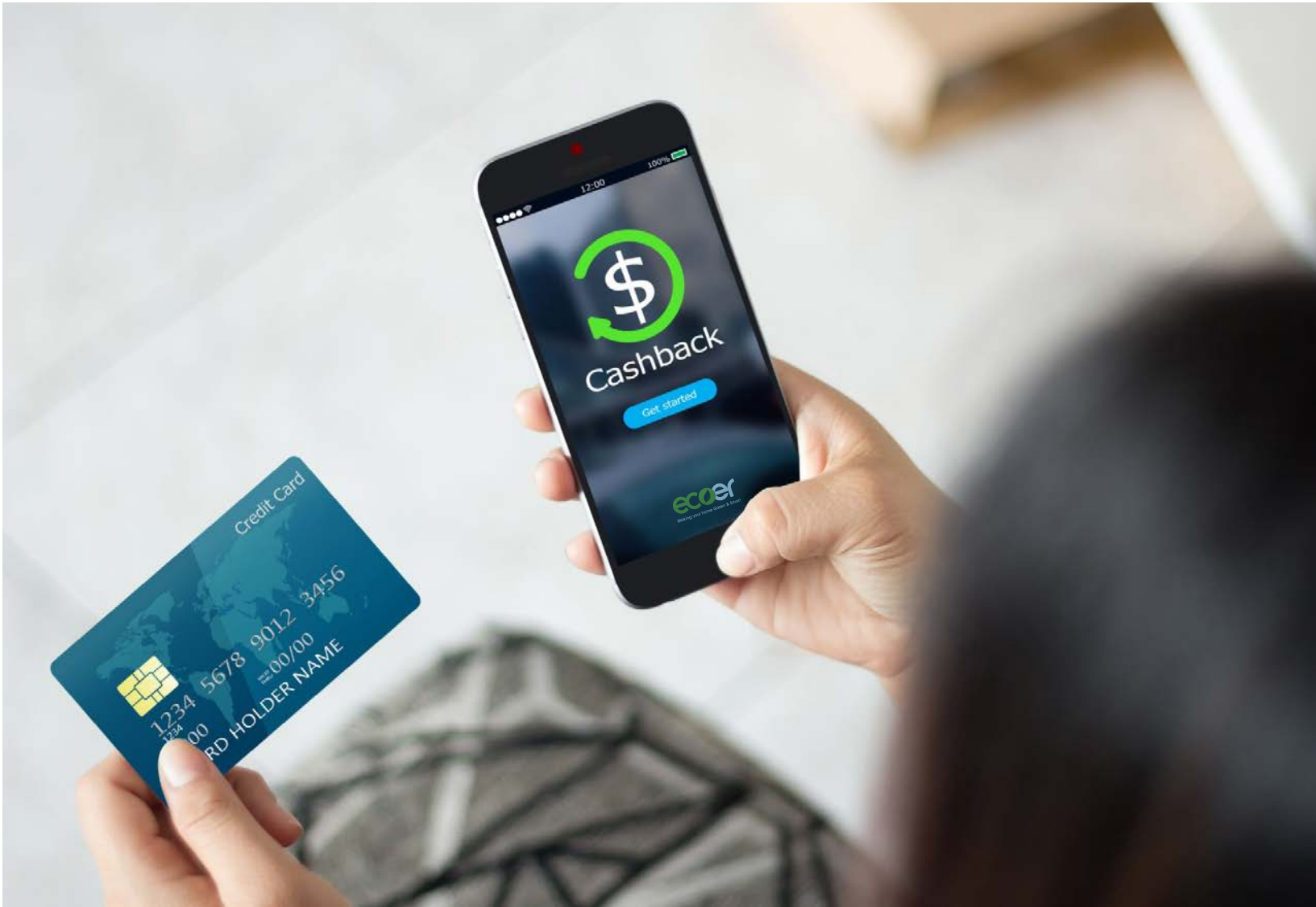
Join the elite dealer team at Ecoer today and gain exclusive access to sales and marketing tools, technical support, training, and more at www.ecoer.com.

Ecoer Certified Contractor Benefits:

1. Priority technical support.
2. Recognition as an Ecoer Certified Dealer on the official website.
3. Lead generation assistance.
4. ESS Pro Contractor Desktop Access.
5. Access to additional resources on www.ecoer.com - Dealer Portal.
6. Access to In-Home Selling Presentation Materials.
7. Enrollment to Ecoer's newsletters that provides updates about current programs, product updates, training opportunities and promotions.
8. Eligible for Personal Use / Demo System Programs.
9. Eligibility to win annual Top Ecoer Dealer Recognition Award.
10. Exclusive incremental rebate.

Ecoer Partners





Ecoer Rebate Center

Save on Energy Saving HVAC Products.

Take a look at the Ecoer Clean Energy Tax Credit & Rebate center to explore rebates of selected Ecoer heating and cooling solutions in your area.



<https://www.ecoer.com/clean-energy-tax-credit/>



Ecoer Hero Academy

Our Ecoer Hero Academy is a platform that allows you to access all of our technical training in one place. We offer a full online learning experience that you can complete at your own pace. Additionally, you have the option to participate in live webinars with instructor-led training.



Ecoer Hero Academy





Customer Service & Support

Technical Support

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Email: support@ecoer.com

Contact Ecoer

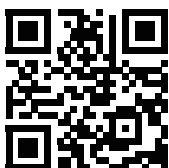
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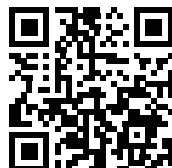
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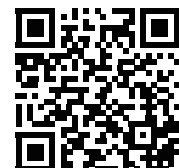
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SMART

Ecoer Smart Heat Pump System



