

# ABOUT ECOER

Ever since 2016, Ecoer has been dedicated to provide the residential ac/heat pump market with our patented inverter air-conditioning and heat pump system combining industry-leading SMART IoT technology to create the best living experience possible.

Ecoer is designed for every homeowner. Our high-efficiency inverter product coupled with SMART IoT technology simplifies the inverter installation process, studies the usage habits of homeowners thus minimizing unnecessary consumption of energy, and connecting the contractor to homeowners and their systems.

Our passion and commitment to excellence have seen us grow into multiple locations in four countries, from the US to Canada, to China and now Europe. By staying true to our mission, we see our inverter technology experiencing tremendous growth in market share in the US. We are determined making the world just a bit greener!



## UNIQUE DESIGN

Ecoer SmartGreenOne Series outdoor units are pleasant to look at when you are sitting in your garden. Our design is unique and applicable to the European-styled home. What's more, our ASA cabinet material features strong corrosion-resistance and rough weather-proof. This guarantees the product a long service life.



## SPEC

Ecoer Model		ESBM-020GPP	ESBM-040GPP	ESBM-060GPP	ESCM-060GPP
Capacity		9kw	15kw	22kw	22kw
Power Supply	/	230V~/50Hz	230V~/50Hz	230V~/50Hz	380~415V/3N~/50Hz
Energy class - Heating (35°C/55°C)	/	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Rated heat power (35°C/55°C)	kW	4.92 / 4.71	9.46 / 9.02	12.57 / 11.81	12.55 / 12.34
Annual energy consumption - Heating (35°C/55°C)	kWh	2031 / 2623	3988 / 4959	5587 / 6587	5281 / 6895
Seasonal energy efficiency - Heating (35°C/55°C)	%	197.1 / 145.5	193 / 147.4	183/ 145.2	193.4 / 144.9
Seasonal efficiency SCOP at 35and 55°C	/	5.00 / 3.71	4.90 / 3.76	4.65 / 3.71	4.91 / 3.70
Sound Power Level (EN12102)	dB	57	57	64	62
Heating Condition - Ambient Temp. (DB/WB): 7/6°C, Water Temp. (In/Out): 30/35°C					
Heating Capacity Range	kW	3.10~8.90	5.40~14.95	8.00~22.00	8.00~22.00
Heating Power Input Range	kW	0.65~2.10	1.05~3.85	1.60~6.90	1.60~6.90
Heating Current Input Range	A	2.9~9.2	4.6~16.9	7.0~30.3	7.0~30.3
Cooling Condition - Ambient Temp. (DB/WB): 35/24°C, Water Temp. (In/Out): 12/7°C					
Cooling Capacity Range	kW	1.20~5.72	3.60~10.50	4.20~15.00	4.20~15.00
Cooling Power Input Range	kW	0.65~2.40	1.12~4.47	1.80~7.30	1.80~7.30
Heating Current Input Range	A	2.9~10.5	4.9~19.6	7.9~32.1	3.2~12.9
Hot Water Condition - Ambient Temp. (DB/WB): 20/15°C, Water Temp. (In/Out): 15/55°C					
Hot Water Capacity Range	kW	3.92~10.68	6.50~18.50	10.00~27.00	10.00~27.00
Hot Water Power Input Range	kW	0.78~2.47	1.27~4.65	1.90~7.10	1.90~7.10
Hot Water Current Input Range	A	3.4~10.8	5.6~20.4	8.3~31.2	3.4~12.5
Max. Power Input	kW	3.0	5.3	7.5	9.0
Max. Current Input	A	13.5	24.5	35.0	15.8
Water Flow	m³/h	1.0	1.7	2.9	2.9
Refrigerant / Proper Input	kg	R290 / 0.50kg	R290 / 0.85kg	R290 / 1.30kg	R290 / 1.30kg
CO <sub>2</sub> Equivalent	Ton	0.0015	0.0026	0.0039	0.0039
Sound Pressure (1m)	dB(A)	42	43	47	47
Operating Ambient Temperature	°C	-25~43	-25~43	-25~43	-25~43
Water Connection (inch)	inch	1	1	1	1
Water Pressure Drop (max)	kPa	40	20	65	65
Circulation Pump Head	m	7.5	7.5	12.5	12.5
Cabinet Type		Galvanized sheet+ ASA	Galvanized sheet+ ASA	Galvanized sheet+ ASA	Galvanized sheet+ ASA
Net Weight	kg	80	160	202	202
Unit Dimension(L/W/H)	mm	1167×407×795	1287×458×928	1250×540×1330	1250×540×1330
Shipping	mm	1300×485×940	1420×540×1080	1380×570×1480	1380×570×1480

## CONTACT US

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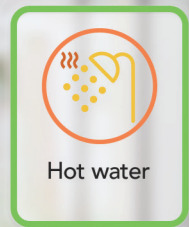
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**Ecoer**  
SmartGreenOne Series

Inverter R290 Heating  
Cooling+DHW Heat Pump



Hot water



Heating and hot water



Heating



Refrigeration and Hot water



Refrigeration



Inverter Technology



Ecoer Gateway



Intelligent Defrosting



Colorful Touch Display



## SMART CONTROL

Ecoer Smart Touch Display with its temperature and power consumption curves allow its users to see their energy consumption at a glance.

Ecoer ATW APP control brings a lot of convenience to homeowners. Temperature adjustments, mode switching and timer setting can be done on your smartphone away from home. Moreover, you can learn about your home energy consumption level and Ecoer device fault records anytime and anywhere.

Our Ecoer ESS (ATW Ecoer Smart Service) platform management is the key feature of the Ecoer brand heat pump. It can be realized with 4G or WiFi function and when an error happens it is reported. The service provider can notify the home's contractor of the error detection allowing them to offer help in a short space of time.

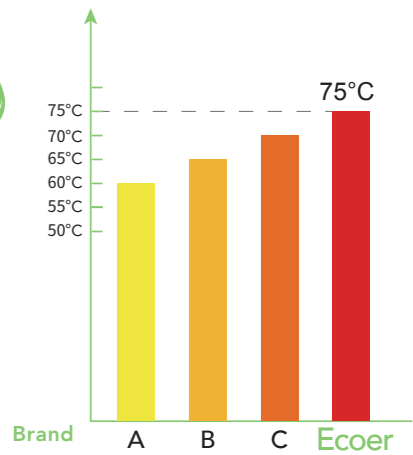
## ULTIMATE GREEN

The refrigerant - R290 with a GWP of 3 is known as propane. It is a colorless, odorless organic compound belonging to the group of saturated hydrocarbons existing in natural gas fields. Devices using propane have been successfully operating across Europe for many years.



## HIGH SUPPLY TEMPERATURE

Our Ecoer SmartGreenOne series has an optimized water heating functionality with high performance. The working area provides a single-flow temperature of up to 75°C. At an outdoor temperature of down to -25°C, up to 65°C is still delivered.



## LOW NOISE LEVEL

By adopting multiple noise reduction technologies, Ecoer heat pump is so quiet that it can be installed right next to a neighbor's property without causing problems. No one wants to hear the heat pump whirring away when they are sitting in their garden, or hear noise coming from a neighboring garden. Our heat pump addresses these issues effectively.

## ULTRA HIGH EFFICIENCY

With energy ratings of A+++, our extremely quiet monobloc heat pump provides maximum efficiency with minimum energy consumption cost. For every 1 kWh of electricity used, there is up to 4.9 kWh of heat returned to the circuit, leading to almost 80% of energy saving.

