



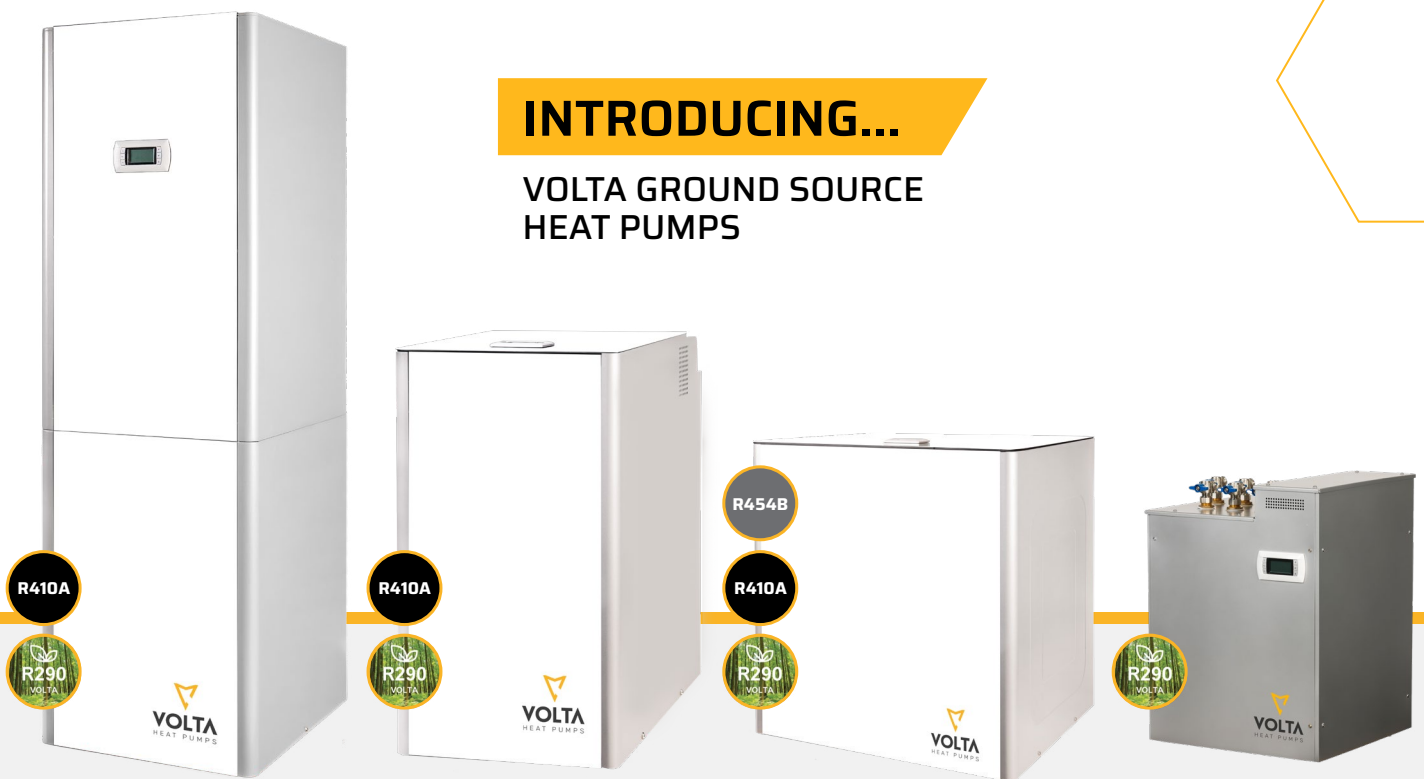
VOLTA

HEAT PUMPS

POWERED BY ECOFOREST

INTRODUCING...

VOLTA GROUND SOURCE HEAT PUMPS



W-L
R410A 6-22kW
R290 1-16kW

W-S
R410A 6-22kW
R290 1-16kW

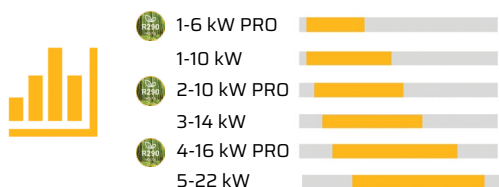
W-H
R410A / R454B 40-90kW
R290 45-75kW

W-XS
R290 1-6kW



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UK Distributors of Heat Pumps and Air Conditioning Systems
essaircon.com 0845 880 5862 sales@essaircon.com
[in](#) environmental site supplies

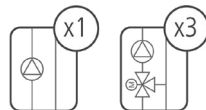
VOLTA W-S/L – DOMESTIC RANGE



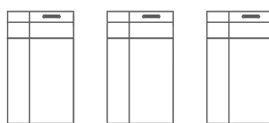
- **Volta W-5**
- **Volta W-L:** Stainless steel DHW tank of 165 litres
- Refrigerant R290 or R410A
- Sources:



- Up to 4 shunt groups



- Up to 3 units in cascade

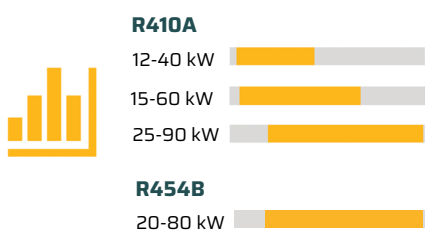
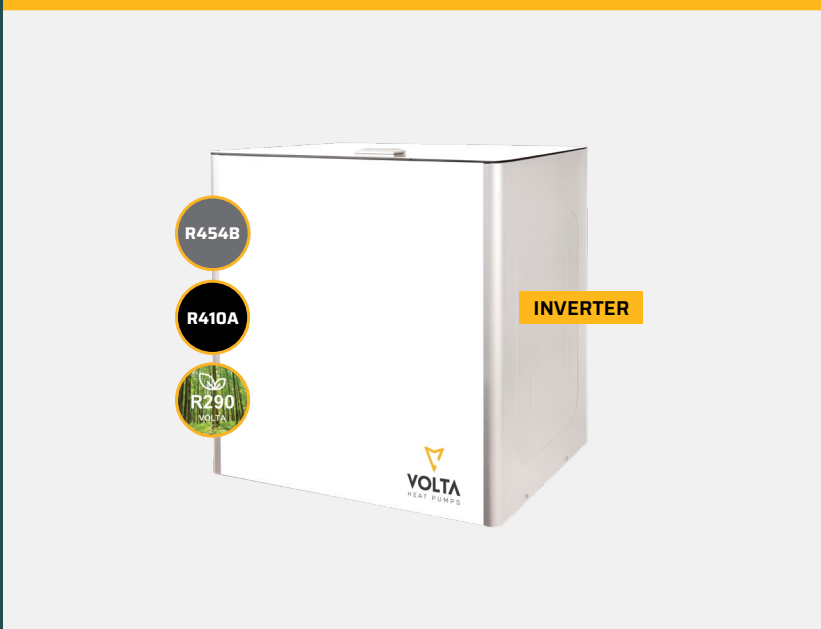


- Internet connection and remote control
- PV hybridisation inbuilt

SUPERHEATER DHW 75°C R290 / 70°C R410A



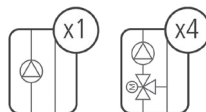
VOLTA W-H – COMMERCIAL RANGE



- **Volta W-H – HIGH POWER**
- Refrigerant R290, R410A or R454B
- Sources:



- Up to 5 shunt groups



- Up to 6 units in cascade

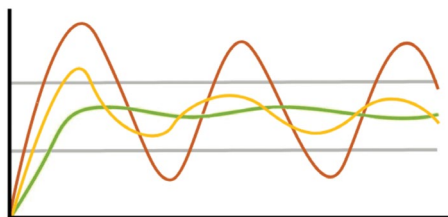


- Simultaneous production heating
 - reversible and passive cooling
- Internet connection and remote control
- PV hybridisation inbuilt



Volta by Ecoforest is designed and manufactured in Spain. ESS is the distribution partner in the UK for sales and warranty support. The Volta geothermal heat pump range is one of the most advanced on the market. The water-to-water range are built with speedy compressors and inverter technology which means they achieve unique efficiencies and are suitable for domestic and commercial installations.

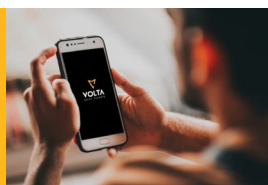
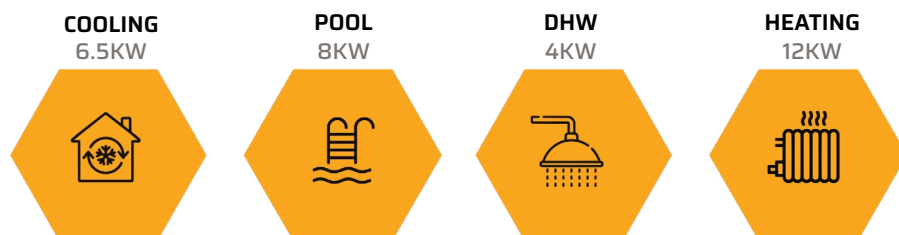
VARIABLE SPEED COMPRESSOR



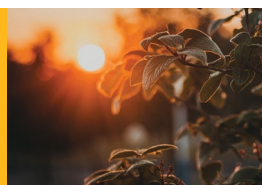
- Volta inverter technology
- Traditional inverter technology
- On/Off Compressor

Volta ground source heat pumps offer a range of models suitable for domestic and commercial installations.

- Inverter Technology and Scroll Compressor.
- Heating, active cooling, passive cooling, DHW and swimming pool.
- Internet control.
- Hybridisation with photovoltaic energy.
- Simultaneous heating and cooling production.
- Hybridisation of heat sources.
- Integrated energy meters and performance monitoring.
- Control of external auxiliary equipment (gas boilers, electric heaters, etc.).



CONNECTIVITY
Volta S-Web



**PHOTOVOLTAIC
HYBRIDISATION**

EXCESS ENERGY MANAGEMENT

Storage of renewable electrical energy surplus as thermal energy.

TARIFF CONTROL

Priority operation of the heat pump during off-peak electricity price periods.

UNIQUE TECHNOLOGY

European Patent.

POWER LIMITATION

Modulation of the power consumed by the heat pump in order not to exceed a specified maximum contracted power.

COMPATIBLE WITH PRODUCTION SYSTEMS

Photovoltaic, wind and hydroelectric.

New Releases

VOLTA W-XS



W-XS-A-6 1-6kW / R290

- Compact plantroom unit
790mm x 595mm x 575mm.
- Inverter technology.
- Heating, cooling and DHW.
- Single phase available.
- Compatible with: AU Technology,
Remote Control and PV hybridisation.

VOLTA W-H



W-H 45-75kW / R290

- Outlet water temperature up to 70°C DHW.
- Heating, cooling and pool without
additional accessories.
- Superheater option included.
- Integrated energy meters.
- Compatible with: AU Technology,
Remote Control and PV hybridisation.



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