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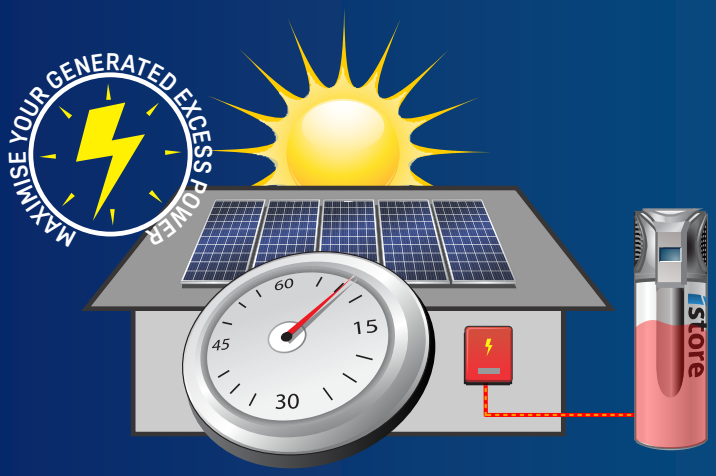
iStore 270 L
Energy Storage

Air to Energy

As we shift toward the era of energy independence, with battery storage being the choice for clean power, the iStore offers a cost-effective storage solution as an alternative and reliable storage device.

Further maximise the full potential of the iStore by syncing it with a solar power system. The easy-to-use, built-in smart timer will offset any excess power to the iStore, saving you even more.



Why install an iStore

- Make the most of your solar PV system
- Most cost-effective energy storage solution on the market
- Receive STCs (Small-scale Technology Certificates)
- Generate hot water energy all year round

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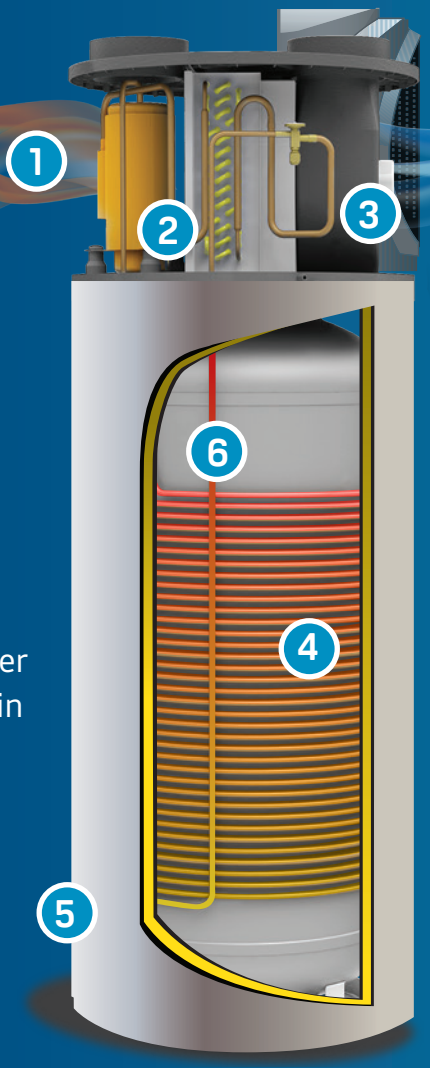
How it works



1. A fan draws in air, containing heat energy, across the evaporator
2. The evaporator turns the liquid refrigerant into a gas
3. The compressor pressurises the refrigerant into a hot gas
4. The hot gas inside the condenser coil heats the water inside the coilwrapped tank
5. The refrigerant reverts back to a liquid after heating the water and continues to the evaporator for the process to start again
6. The cycle continues until the set target temperature is achieved

The benefits

Economical - The iStore boasts 4 intelligent operating modes adapting to all situations, including a hybrid mode for when additional guests are staying in your home and a vacation mode for when you are away on holidays.

Optimal design - External wrap around heating coil provides maximum thermal energy transfer.

Easy to install - The iStore is easy and quick to install.

Low consumption - The iStore consumes approximately 1000 W of energy per hour during the air-to-energy process (average household running cycle is 3-4 hours = 3000 / 4000 watts total).

Money & energy savings - For the average Australian household heating water accounts for up to 30% of the total energy usage. The iStore can reduce CO2 emissions by 4 tonnes.

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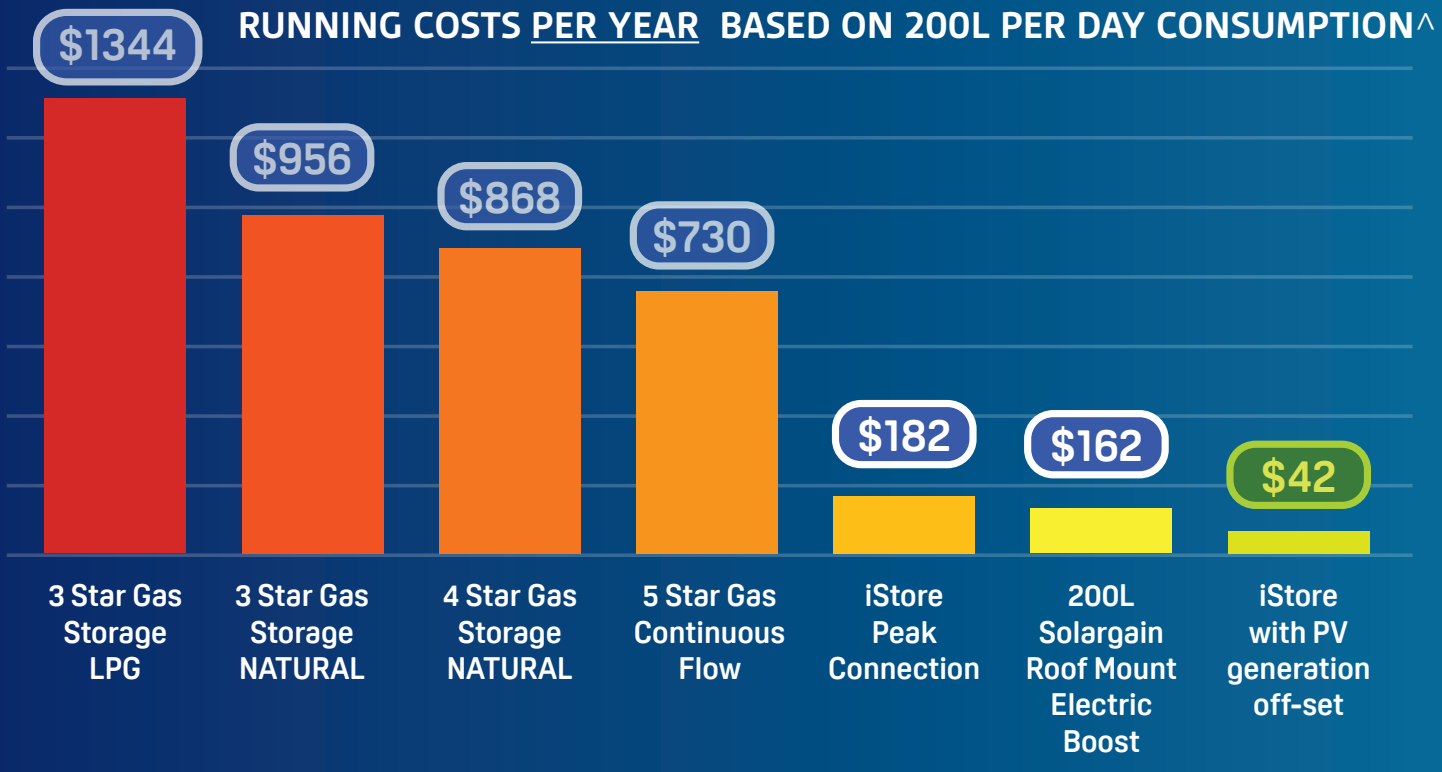
The iStore reduces CO^2 while saving you hundreds



Thermal Energy is produced by the surrounding air and is used to heat the tank water

The iStores' advanced technology produces 4kW of energy from every kW of power intake.

Thats a remarkable 400% transformation of green energy you can use to power your home's hot water needs, while lowering your greenhouse carbon emissions.

The ingenious design of the iStore makes it one of the most efficient hot water storage solutions on the market.

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Technical Specifications

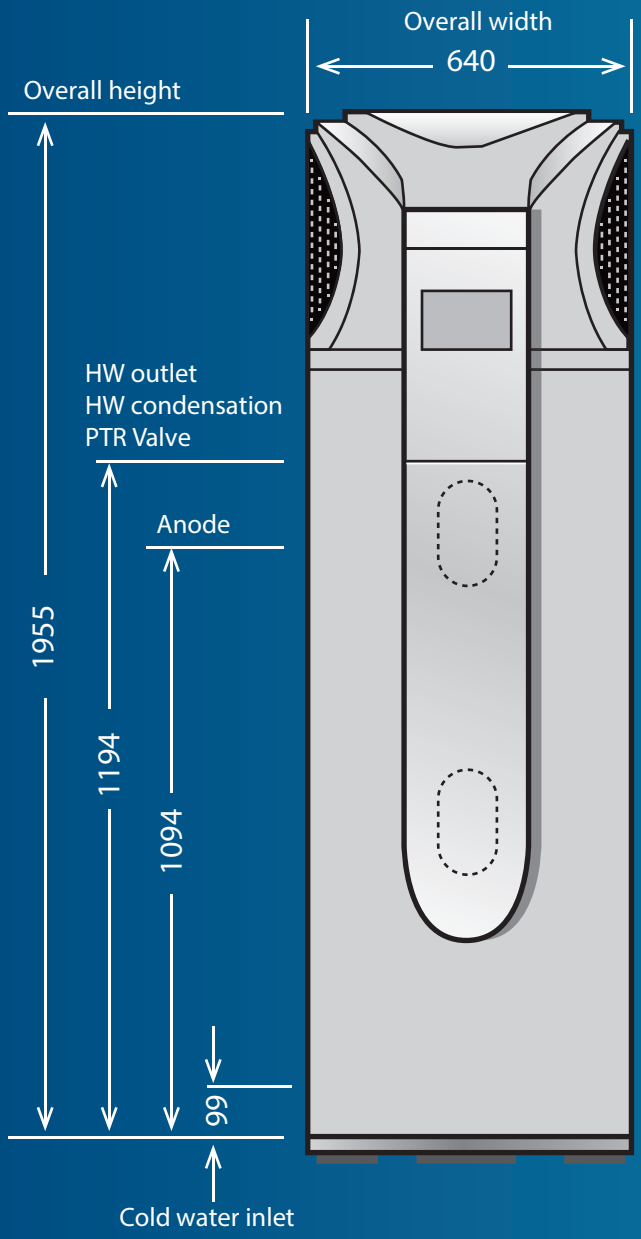
Product Specifications		
Heating capacity	kW	3.4
Water tank capacity	L	270
Power input	kW	0.94
Running current	A	3.97
Power supply	240 V	~/50 Hz
Rated outlet water temp.	°C	60
Air volume	m³/h	450
Noise @ 1 m	dB(A)	46.6
Water inlet / outlet size	BSB / mm	20
Back up element	kW	1.5
IP rating		X4

Dimensions	
Height	1955 mm
Diameter	640 mm
Height to water inlet	99 mm
Height to water outlet	1194 mm
Hot water condensation	
Height to PTR valve	
Height to anode	1094 mm
Net weight (empty)	135kg

Warranty Information	
Cylinder	5 years
Refrigeration & electrical	2 years
All other components	1 year

Version 1.4 Aug '18

Unit: mm



* 14kWh equivalent is based on 4hr run time consuming 4kW of energy & displacing 16kWh of heating capacity.

^ Tariffs based on WA pricing, $0.25 per kWh for electricity, Natural Gas price of $0.0351 c/MJ & LPG price of 1.25 $/L. Actual savings may vary on household usage, solar power system and climate conditions.

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