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, and 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

- The iStore is a thermal energy storage unit that stores your excess solar energy and transforms it into hot water for you to use when you need it.
- The iStore utilises intelligent technology to convert air into hot water.
- The iStore storage capacity could be compared to a 6 kW traditional battery system.
- Storing your excess PV energy is effectively like having a premium feed-in tariff. Rather than purchasing electricity from your retailer ($0.25 to $0.40), you can store the extra energy your system has produced into the iStore for later use.

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, which 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 - Heating water for the home accounts for up to 30 % of the total energy usage for the average Australian household. iStore can reduce CO_2 emissions by 4 tonnes.

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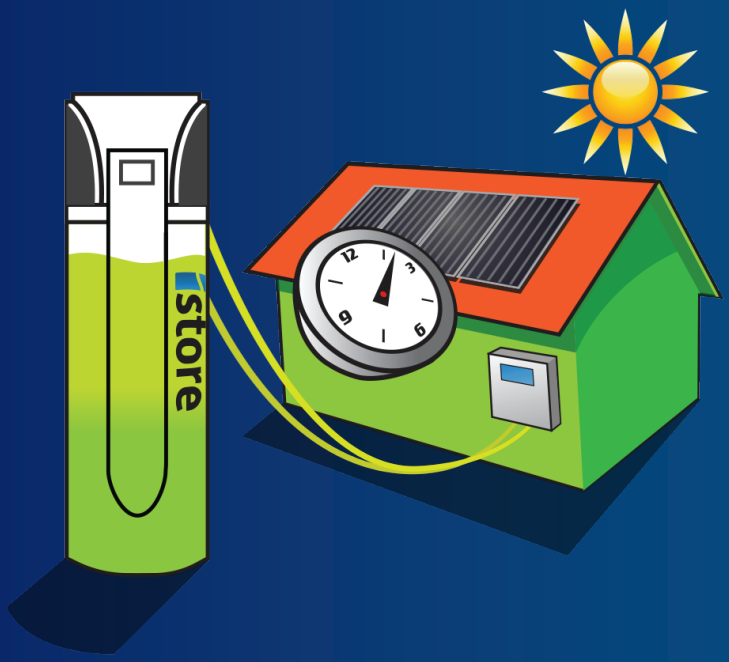
Maximise your solar power system

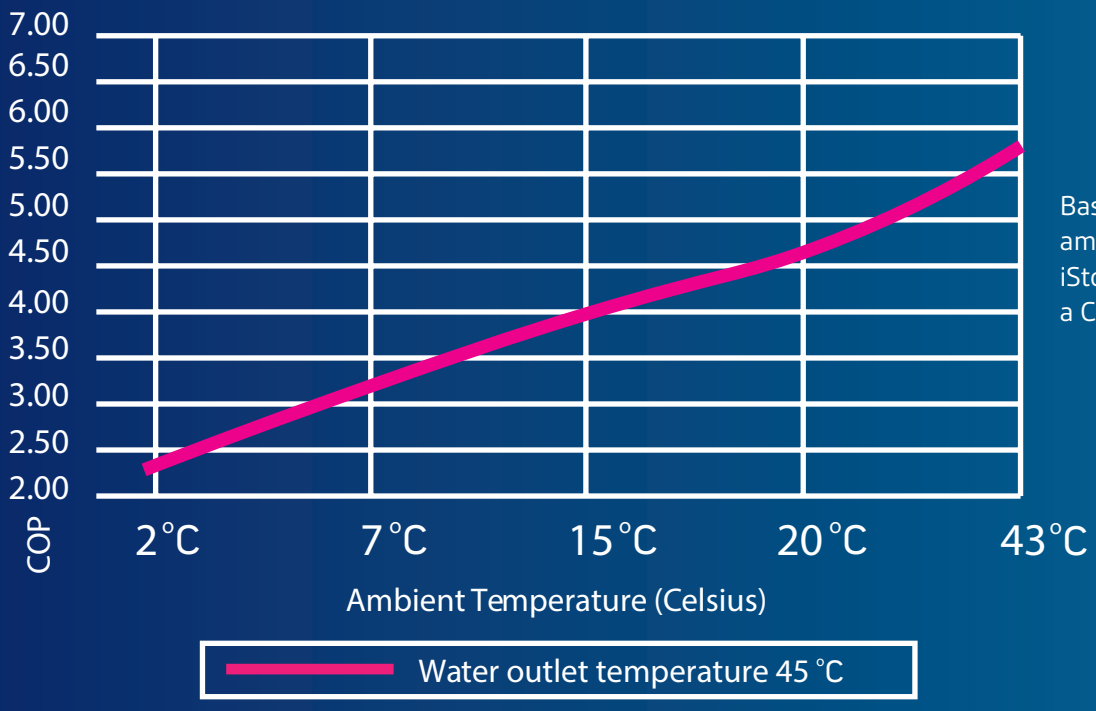


Setting up the user-friendly timer to run throughout the peak hours of solar PV generation provides amazing storage benefits.

Store your excess solar power into the iStore for usage within peak hours and get maximum return on investment for both your solar PV and iStore purchases.

MARKET LEADING COEFFICIENT OF PERFORMANCE (COP)

The coefficient of performance is a ratio used to measure the efficiency of electricity consumption vs heating output. The iStore has a COP of 4.1 which equates to 4 kW of heating output for every kW of energy consumed.



Based on a moderate 20 °C ambient temperature, the iStore performs flawlessly at a COP of 4.61.

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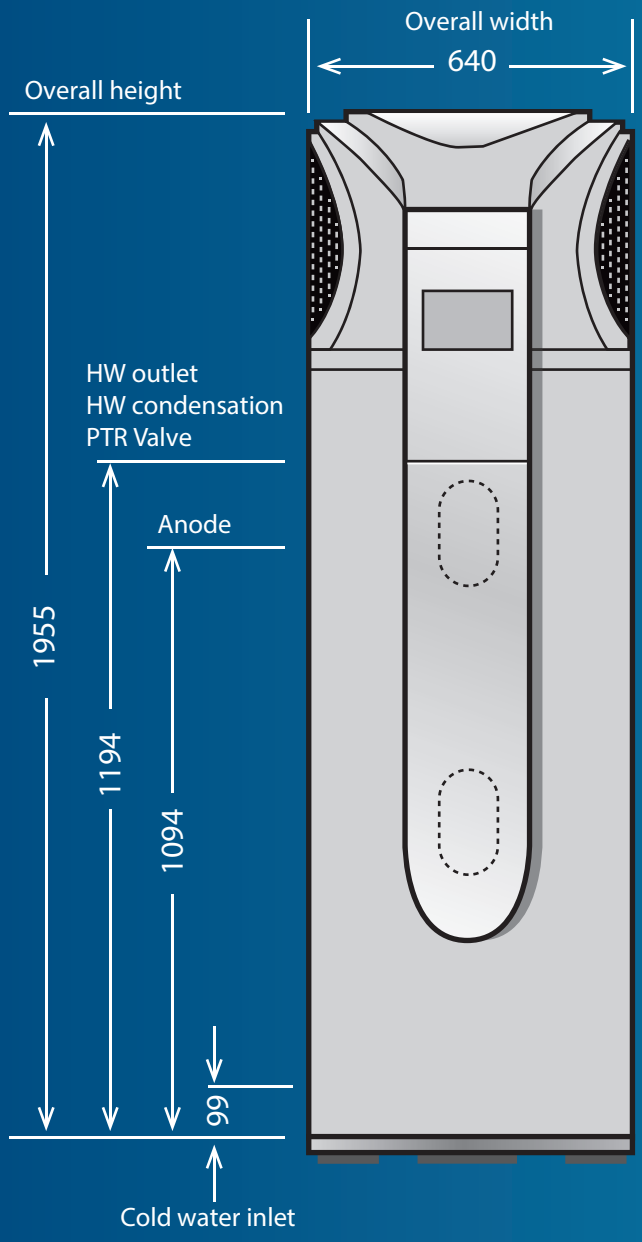
Technical Specifications

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	157 kg

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

Unit: mm



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