




# PRODUCT BROCHURE


Power To The Territory

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**SAVE UP TO  
\$1,000 PA**

**SOLAR HYBRID POOL SYSTEM**

# SUN-KISSED SAVINGS: DIVE INTO SOLAR!

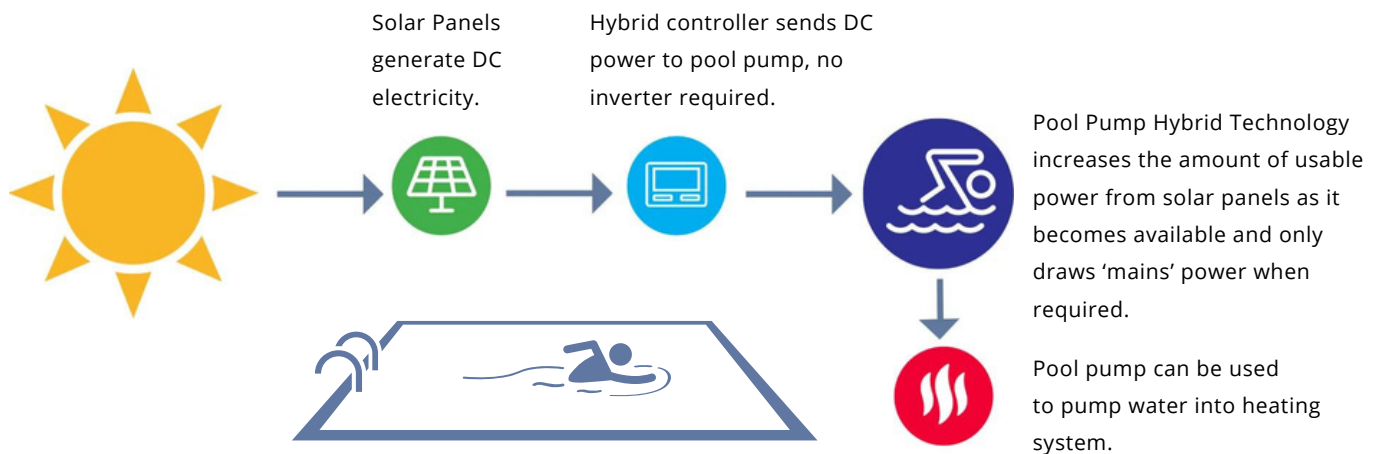
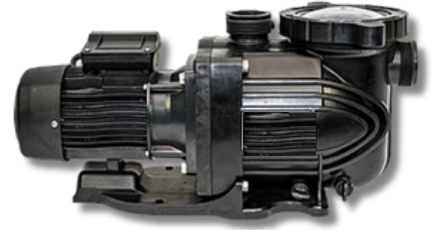
## FEATURES

- Hybrid Technology: Solar or Mains power for 24/7 operation.
- One pump for filtering and heating.
- Lower pool maintenance and costs due to all day pump operation.
- High efficiency, long-life brushless DC motors (up to 1200W).
- Zero emissions.

# SOLAR HYBRID POOL SYSTEM

## HOW IT WORKS

Solar Hybrid Pool System has an ultra-quiet pool pump powered by a brushless DC permanent magnet motor that draws its energy from solar panels. The system can be used for a wide range of pool sizes, with pumps ranging from 180 litres per minute up to a powerful 1000 litres per minute.



## ADVANTAGES

- > The pump can prime first thing in the morning, which is something that a traditional solar-pool system cannot do.
- > If a cloud comes over the PV Array, the pump won't stall, and the chlorinator standby. It keeps running at a set minimum speed, unlike traditional solar pool systems.
- > The system's brushless DC pump can operate in the evening if the pool is in use. Brushless DC motors are almost twice as efficient as AC motors.
- > The heating control is incorporated into the controller itself, which means both heating and filtering is achieved with the ONE solar powered pump.
- > The system even incorporates both dry and wet season settings, so you can just 'set and forget' and enjoy the pool along with the rest of the family all year round.

**SAVE UP TO  
\$2,000 PA**



**SOLAR HEAT PUMP POOL HEATER**

**UNLEASH THE POWER  
OF THE SUN!**

## **FEATURES**

- Runs for free from the sun!
- Reverse cycle, pool heating and cooling.
- Stress free operation with all year round running.
- Enjoy the perfect pool temperature, always!
- Zero emissions.

# SOLAR HEAT PUMP POOL HEATER

## HOW IT WORKS

The Solar Heat Pump Pool Heaters operate without batteries or grid connection. Simply connect solar panels and a DC pump, and they will automatically start in the mornings, heating or cooling the water until evening when they turn off. The thermal load remains in the pool, and some temperature may be lost at night, but it's replenished the next day if a cover is used.

These pool heaters are a significant cost-saving solution as they can heat the pool year-round without any additional expenses. The WIFI functionality allows users to have full control, set daily timers, and access a history of all power consumption data.



## ADVANTAGES

- > The heater is purpose-built with a 100% DC system, eliminating the need for an electronic inverter. This design enhances efficiency and reduces energy losses.
- > Operates independently with solar power utilising solar power effectively. It automatically turns on with sufficient solar power and off when power is insufficient.
- > The installation process is straightforward, with solar panels connecting directly to MC4 solar terminals.
- > The brushless DC motor ensures exceptionally quiet operation, minimising noise disruptions while heating or cooling the pool.
- > The system's anti-corrosion technology and titanium heat exchange minimize maintenance requirements, ensuring long-term reliability and easy upkeep.



## SOLAR AIR CONDITIONING

# COOLING THE FUTURE WITH 100% DC ENERGY

## FEATURES

- › Enjoy peaceful cooling with silent brushless DC motors.
- › 100% DC Operation cutting energy costs.
- › Hassle-free setup plug and play Installation.
- › User friendly mobile phone app.
- › Environmentally friendly.

# SOLAR AIR CONDITIONING

## HOW IT WORKS

Solar air conditioners require no batteries to deliver huge savings. During the day, when air conditioning is needed the most, you can operate this unit partly or up to 100% by its independent solar panels to achieve maximum efficiency. At night, you can continue to save due to its high efficiency and special AC limiting option.

The WIFI functionality allows full control, daily and weekly timers, complete visibility with AC and DC consumption and the history of all power consumption.



## ADVANTAGES

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**solflow PV DIRECT HOT WATER**

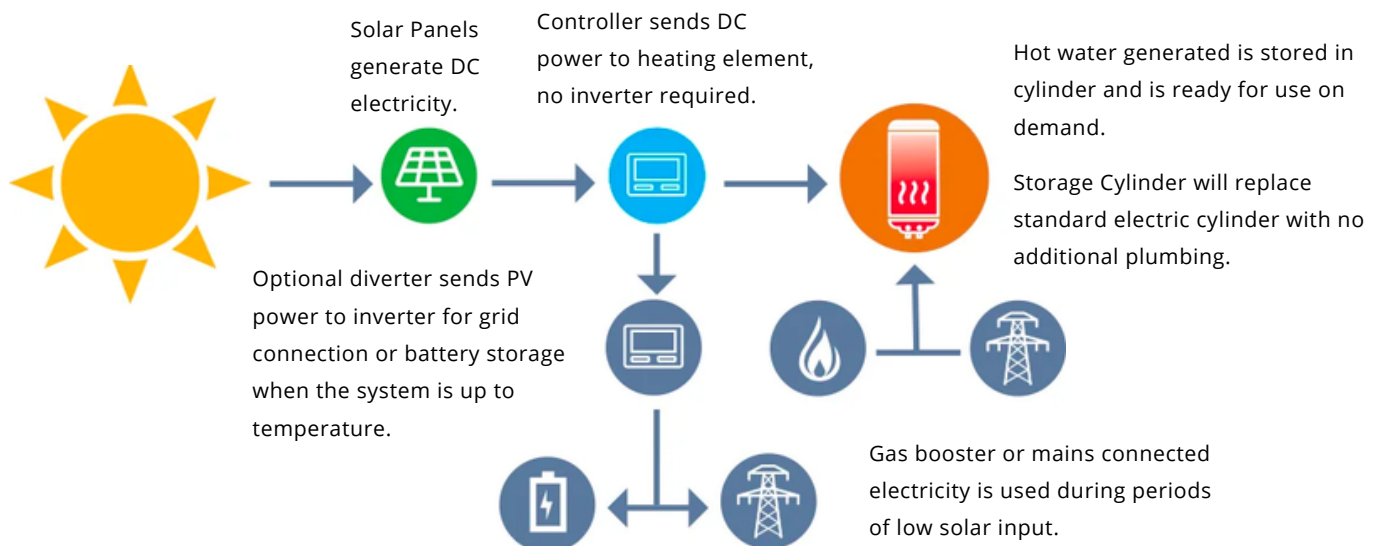
# THE MOST SIMPLE ENERGY EFFICIENT, HOT WATER!

## FEATURES

- Optimal performance with 99.6% electrical efficiency.
- No moving parts, no pumps or complicated plumbing.
- Weather-resistant design, ground-mounted tank and controller.
- Zero Emissions.
- Frost-Tolerant Reliability: Works even in freezing temperatures.

## HOW IT WORKS

PV Direct Hot Water is simple and straightforward. No pumps or moving parts make installation hassle-free. This system uses solar panels to convert DC energy into efficient hot water. The weather-resistant design ensures durability, while zero emissions contribute to a greener future. Even in freezing temperatures, the system works reliably with sunlight.



## ADVANTAGES

- **Unbeatable Savings:** Slash up to an incredible 90% off water heating costs, compared to traditional water heating methods. Enjoy a cost-effective and sustainable solution.
- **Effortless Ownership:** Experience quick and easy installation with minimal maintenance required.
- **Long-Lasting Investment:** Enjoy years of reliable service thanks to its robust design and protection from the elements.
- **Eco-Conscious Living:** Contribute to a cleaner planet by embracing a system with zero harmful emissions.
- **All-Weather Assurance:** Even in harsh weather conditions, you can count on a steady supply of hot water, thanks to the frost-tolerant design.



## 15KW ALL-IN-ONE BATTERY SYSTEM

# POWER PACKED: THE ULTIMATE ALL-IN-ONE BATTERY SOLUTION

### FEATURES

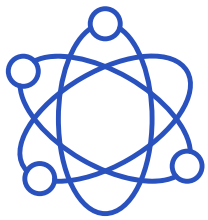
- Expandable capacity as your energy needs grow
- Compact and powerful all-in-one design
- >10ms Switchover
- 10-year warranty and local support
- User Friendly

# 15KW ALL-IN-ONE BATTERY SYSTEM

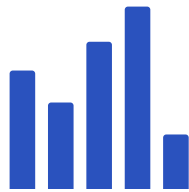
## HOW IT WORKS

This integrated DC-coupled energy storage system includes an inverter and batteries in one package. It utilizes long-life cycle CATL battery cells, providing up to 28.5kWh usable energy with the Sofar BTS5K batteries. Ideal for domestic or small commercial setups, it offers a 6kW (26A) emergency power supply output with less than 10ms EPS switchover, ensuring your critical loads stay powered during grid outages.

Moreover, this system comes with built-in backup and black start functionality at no extra cost, setting it apart from competitors that charge for these features.



**INTELLIGENT**



**MODULAR**



**SAFE**



## ADVANTAGES

- The modular design allows for hassle-free transportation and quick installation, saving time and effort.
- The system optimises the battery pack to maximise energy storage capacity, ensuring efficient utilisation of available power.
- Users can easily expand the battery capacity as needed, accommodating changing energy requirements without replacing the entire system.
- The system's sleep mode minimises battery consumption, reducing energy loss during periods of inactivity.
- With a switchover time of less than 10ms, the system ensures seamless power supply to critical loads during grid outages.



## SUNGROW INVERTER & BATTERY COMBO

# POWER PACKED: THE ULTIMATE ALL-IN-ONE BATTERY SOLUTION

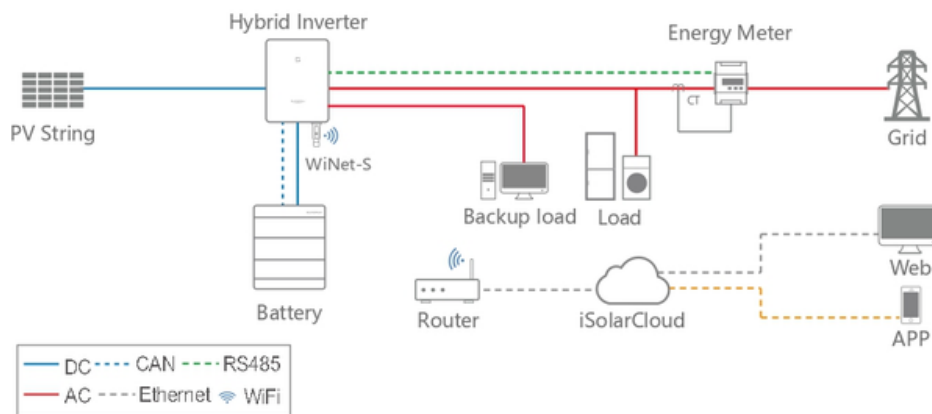
### FEATURES

- Ideal for both retrofitting and new installations.
- Built-in EMS with advanced customization.
- Fast Charging or discharging, for higher self-consumption.
- Seamless backup mode for power outage protection.
- 24/7 live monitoring both online and with integrated display.

# SUNGROW INVERTER & BATTERY COMBO

## HOW IT WORKS

The Sungrow Inverter and Battery Combo is a highly versatile and reliable inverter designed for flexible applications in the realm of solar energy. Boasting an impressive 13.5A current input, it easily accommodates high-power PV modules and can be utilised in both standalone and retrofit scenarios. The system supports parallel connection with master-slave controlling, ensuring efficient power distribution and management.



## ADVANTAGES

- Compatible with a wide range of high-power PV modules and supports parallel connections for flexible applications.
- Seamlessly switches to backup mode during power outages, with fast charging for continuous power supply.
- Enables green energy to electric vehicles, offers online monitoring, and optimizes self-consumption with built-in EMS.
- Simplified setup with unique push-in connectors and touch-free commissioning, saving time and effort.
- Suited for diverse solar energy applications in various settings, ensuring reliable performance.