

SOLAR ACDC HEAT PUMP

WITH DIRECT PV PANEL CONNECTION



ACDC HYBRID

SunVolt is a hybrid heat pump that is powered directly by its own solar panels (DC power) and the grid (AC power) if required. SunVolt requires no batteries or inverters.

An optional direct DC powered circulation pump ensures zero running costs. Making this the perfect solution for seasonal or year-round swimming. A Smart App provides full operational control and includes live and historical DC or AC power use data.

The best part of SunVolt is that it preserves your household PV panel energy and eliminates electricity bills!

SunVolt Benefits:

- Daytime savings up to 100% on heating costs using free Solar energy.
- Up to 30% additional energy boost using direct DC power.
- Preserves solar PV electricity for household use and battery storage.
- Does not overload your homes existing electrical capacity.
- Smart App connectivity for set and forget convenience.
- Government rebates claimable – essentially covering the cost of PV panels.
- Ideal off grid solution with enhanced heating from Sunup to Sundown.



Distributor for





SunVolt Features

- Anti-corrosion body and titanium heat exchanger
- Eco-friendly R32 refrigerant
- Low-noise Brushless DC fan motor
- Twin-rotary inverter compressor
- Wi-Fi connectivity and remote control
- Smart LCD Touch controller
- Compatible with any solar panel with an MC4 connection
- Backup AC power grid connectivity
- Automatic load balance between direct or grid AC power usage
- Grid AC power limiter from 0 to 300 W
- Solar powered DC water pump available

MODEL		11 kW	15 kW	17 kW **
RECOMMENDED PV PANEL SIZE		3 kW (7x 440 W)	3.5 kW (8x 440 W)	4 kW (9x 440 W)
HEATING CAPACITY (27 / 24.3°C)				
Heat Capacity	kW	2.1 - 11.2	2.3 - 15.0	2.4 - 17.0
COP		15.5 - 6.5	15.8 - 6.5	16.0 - 6.0
HEATING CAPACITY (15 / 12°C)				
Heat Capacity	kW	1.6 - 8.0	1.8 - 10.5	1.9 - 13.0
COP		7.7 - 4.8	7.5 - 4.8	7.6 - 4.8
GENERAL				
Max Power Consumption	kW	2.11	2.74	2.97
Max Current (DC)	A	12	12	12
Max Current (AC)	A	9.2	12	13
Circuit Breaker	A	15	15	20
Power Supply		208-240V 50/60Hz AC, 80-380 V DC		
Pool Volume - Cold Climate Seasonal *	Litres	<25,000	<35,000	<45,000
Pool Volume - Warm Climate Seasonal *	Litres	<35,000	<45,000	<55,000
Advised Flow Rate	Litre / min	53	67	77
Inlet / Outlet	mm	48.3		
Noise Level (1m)	dBA	39 - 51	42 - 53	43 - 54
Water Pressure Drop (max)	kPa	5.5	8.0	10.0
Compressor		Hitachi	Panasonic	Panasonic
WEIGHT / DIMENSIONS				
Unit Net Dimensions (L/W/H)	mm	995 × 432 × 633	995 × 432 × 633	995 × 432 × 633
Unit Ship Dimensions (L/W/H)	mm	1063 × 475 × 695	1063 × 475 × 695	1063 × 475 × 695
Net Weight	kg	45	48	50

* Recommended size for seasonal swimming with 12 hr/day of operation and use of a pool cover.

** Can build systems to suit larger size pools. Contact us for more information.

Warranty



Use our online
calculator to
find the right
size heat pump

