

# Sunamp and Solar PV

ErP Rating

**A+**

## Hot water delivered more efficiently from Solar PV

Whatever your heating system, Sunamp has a reliable hot water solution that will save you even more energy. Solar PV systems convert solar energy captured from available sunlight into free and plentiful electricity. They are an attractive low maintenance and environmentally friendly alternative to fossil fuels for modern home heating systems.

Marrying your solar PV system with a Sunamp UniQ HW +iPV will give you even greater value by providing your household with piping hot water, even when the sun doesn't shine. It works by storing surplus electricity from your Solar PV that would otherwise be lost back to the grid, giving you an abundance of hot water for free when you need it. Your other heat source, such as a boiler or high temperature heat pump, is always ready to take over when the sun doesn't shine.

For even more flexibility, Sunamp UniQ eHW +iPV heat batteries use off peak electricity from the grid to top up the charge automatically when required. This means you can beat the winter chill and keep costs down by pre-heating water for your combi boiler or you can use it as a highly efficient stand-alone water heater to ensure instant, mains pressure hot water for all your taps and showers.

Super-compact to maximise your storage space, these products are available separately or as a myenergi eddi package\* and are the ideal replacement for old-fashioned vented and unvented hot water cylinders and hot water only thermal stores.

\*Other power diverters can be used with this product. Please consult Sunamp for more information.

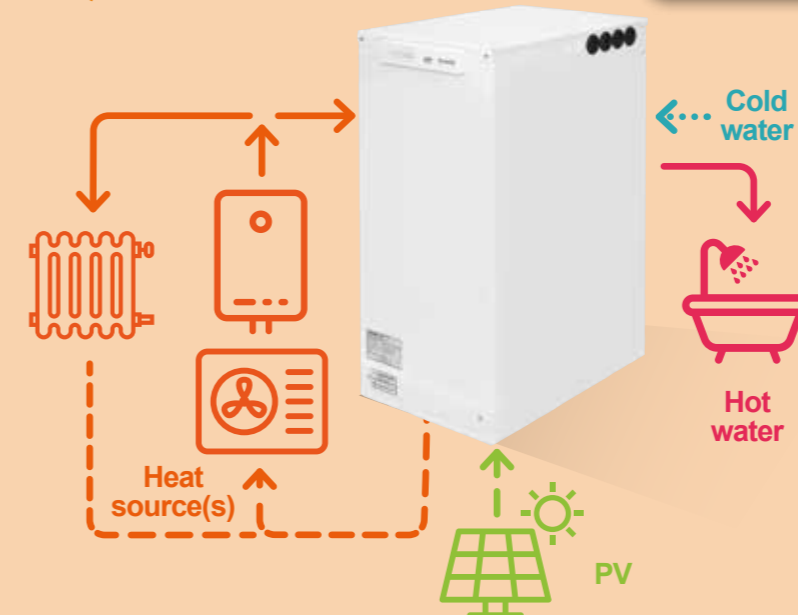


UniQ	eHW 3 +iPV	eHW 6 +iPV	eHW 9 +iPV	eHW 12 +iPV	HW 3 +iPV	HW 6 +iPV	HW 9 +iPV	HW 12 +iPV	
MPN/Order Code	With myenergi eddi (+iPV-VT for Vaillant arotherm plus)	SGP-BAW-AWZ	SKP-BAW-AWZ	SNP-BAW-AWZ	DRP-BAW-AWY	DGP-DBW-AWZ (DGP-DHW-AWZ)	DKP-DBW-AWZ (DKP-DHW-AWZ)	DNP-DBW-AWZ (DNP-DHW-AWZ)	DRP-DBW-AWZ (DRP-DHW-AWZ)
	Without myenergi eddi (+iPV-VT for Vaillant arotherm plus)	SGP-BAW-ATZ	SKP-BAW-ATZ	SNP-BAW-ATZ	DRP-BAW-ATY	DGP-DBW-ATZ (DGP-DHW-ATZ)	DKP-DBW-ATZ (DKP-DHW-ATZ)	DNP-DBW-ATZ (DNP-DHW-ATZ)	DRP-DBW-ATZ (DRP-DHW-ATZ)
Heat Storage Capacity (kWh) <sup>1</sup>	3.5	7	10.5	14	3.5	7	10.5	14	
Equivalent Hot Water Cylinder Size <sup>2</sup>	71	142	212	284	71	142	212	284	
V40, Volume of Hot water available at 40°C (L)	85	185	300	370	85	185	300	370	
Standby heat loss rate (kWh/24h   [W])	0.48 [20]	0.68 [28]	0.77 [32]	0.84 [35]	0.48 [20]	0.68 [28]	0.77 [32]	0.84 [35]	
Energy Efficiency Rating	C	C	C	C	A+	A+	A+	A+	
Heater Power Rating (~230V)	2.8 kW	2.8 kW	2.8 kW	2.8 kW	2.8 kW	2.8 kW	2.8 kW	2.8 kW	
Height (mm)	455	650	860	1070	455	650	860	1070	
Width x Depth (mm)	365 x 575	365 x 575	365 x 575	365 x 575	365 x 575	365 x 575	365 x 575	365 x 575	

<sup>1</sup> Heat Battery charged to design operating temperature and then discharged using inlet water temperature at 10°C, until the outlet water temperature dropped to 40°C. <sup>2</sup> Calculated from the storage capacity of the Heat Battery and assuming that the hot water cylinder thermostat is set at 60°C, mains cold water inlet temperature is at 10°C and the stored energy utilisation factor of cylinder is 0.85.

### How it works

#### UniQ HW +iPV



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### Key Features

- Saves cost and carbon by using electricity from Solar PV
- Instant hot water at mains pressure
- Failsafe: backup internal electric heating element
- Extremely low heat losses
- Significantly reduced legionella risk
- Quicker and less costly installation
- No mandatory annual maintenance
- Space-saving: up to 4 times smaller than the equivalent hot water cylinders
- Reliable: Market-leading 10-year warranty\*
- Modular: easily combined to increase storage capacity

\* Applies to heating element and to storage core