



TADIRAN



ACCUTHERM THERMAL BATTERY

The ideal solution for producing domestic hot water instantly, in a space up to 4 times smaller than a traditional water heater.

With their elegant, super-compact design, Accutherm batteries blend in with your interior décor and save precious space. They are also easy to install, have a lower environmental impact and require no routine maintenance whatsoever.



SPACE-SAVING INNOVATION

Up to 4 times smaller than traditional DHW cylinders.



MAXIMUM SIMPLICITY

Easy to install, with less pipework, no anodes and no routine maintenance obligations.



MAXIMUM EFFICIENCY

Vacuum insulation panels, keeping heat losses to an absolute minimum.



LOWER ENERGY BILLS

You can use off-peak mains electricity or your own photovoltaic power at zero cost.



ADD YOUR PHOTOVOLTAIC SYSTEM WHENEVER YOU WANT

Just add the PV key to make the most of your energy at zero cost.
With the Accutherm X model you can pair it with a heat pump.



COMFORTABLE SHOWERS

Turn your shower into a true moment of wellbeing and comfort.



LEGIONELLA PROTECTION

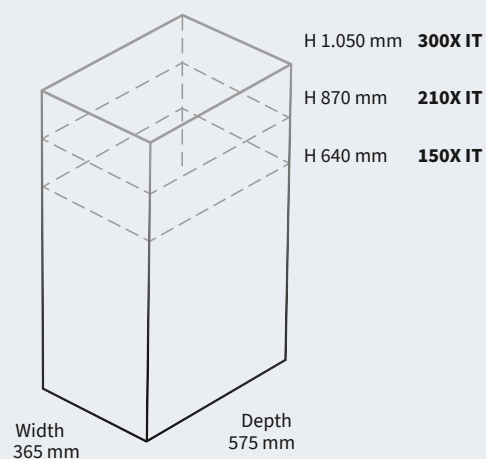
Thanks to the instantaneous heat exchanger and the innovative design, there is no need for costly anti-legionella cycles.

CHOOSE YOUR ACCUTHERM

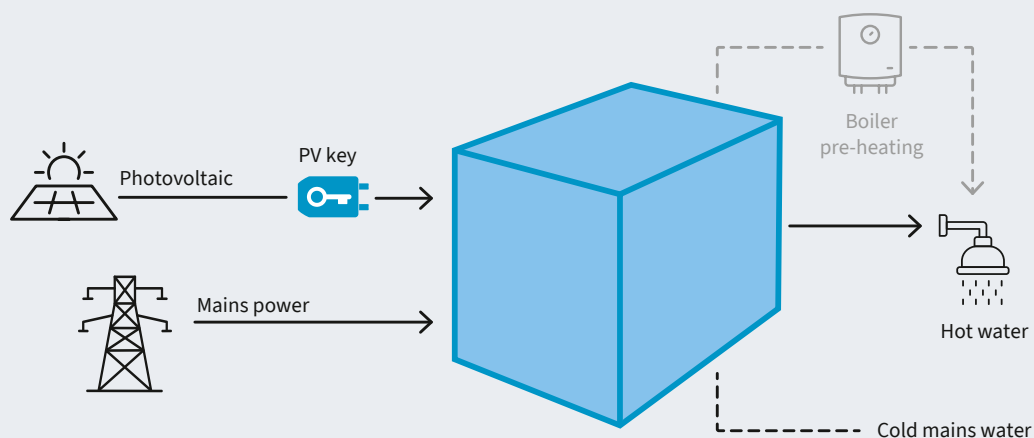
	ACCUTHERM X	ACCUTHERM E
 Boiler	 with vf key	-
 Mains power 24 hours a day		
 Off-peak charging / Variable tariff		
 Photovoltaic	 with hpPV or vpPV key	 with PV key
 Heat pump	 with hp key	-

 Primary energy source  Secondary / optional energy source

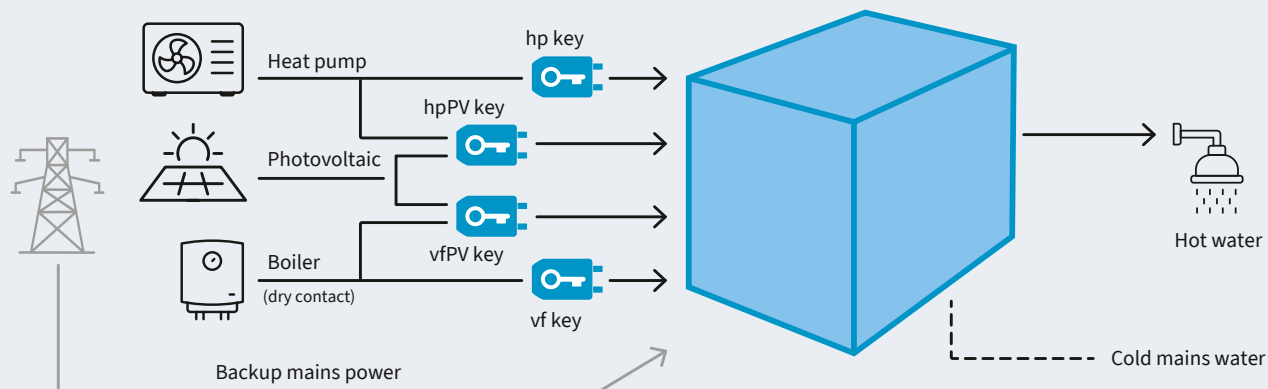
DIMENSIONS



ACCUTHERM E



ACCUTHERM X





ACCUTHERM E
TAD-THERM150E-IT
TAD-THERM210E-IT

ACCUTHERM X
TAD-THERM150X-IT
TAD-THERM210X-IT
TAD-THERM300X-IT



DHW cylinder vs Accutherm comparison

THE ACCUTHERM RANGE

Accutherm thermal batteries are modern, energy-saving heat stores made with a **high-performance phase change material (PCM)** to deliver hot water reliably, safely and efficiently in far less space than a DHW cylinder.

The Accutherm range uses high-performance **Plentigrade P58** PCM material to deliver instant hot water. It absorbs and releases thermal energy through a melting and freezing process, similar to what happens in a pocket hand warmer. Freezing releases an enormous amount of energy in the form of heat at a constant temperature, delivering instant hot water.

The exclusive formula stores up to four times more energy than water, so Accutherm batteries are up to **four times smaller than the DHW cylinders** they replace. Plentigrade P58 contains no toxic or hazardous materials and poses no disposal issues at the end of its life cycle.

ACCUTHERM



Technical data ACCUTHERM E

	Electric heating element power at 230 V, 50 Hz (W)
	Equivalent DHW cylinder volume (L)
	V40 (L)*
	Heat losses (kWh/24h) (W)
	Energy efficiency class
	Nominal water flow rate (L/min)
	Minimum mains pressure (bar/MPa)
	Maximum operating pressure (bar/MPa)
	Recommended mixing valve temperature (°C)
	Annual electricity consumption (kWh/year)
	Product weight in use (kg)

TAD-THERM150E-IT

TAD-THERM210E-IT

	1.800	
140		212
199		301
0,67 (28,1)		0,77 (32,1)
	C	
15		20
	1,5 / 0,15	
	5/0,5	
	45-55	
1.398		2.690
140		178

* V40 refers to the volume (in litres) of hot water available at 40 °C. N.B.: installing a mixing valve at the hot water outlet is recommended, to prevent the risk of scalding.

Technical data ACCUTHERM X

	Electric heating element power at 230 V, 50 Hz (W)
	Equivalent DHW cylinder volume (L)
	V40 (L)*
	Heat losses (kWh/24h) (W)
	Energy efficiency class
	Nominal water flow rate (L/min)
	Minimum mains pressure (bar/MPa)
	Maximum operating pressure (bar/MPa)
	Recommended mixing valve temperature (°C)
	Product weight in use (kg)

TAD-THERM150X-IT

TAD-THERM210X-IT

TAD-THERM300X-IT

	1.800		
128		192	256
167		271	333
0,67 (28,1)		0,77 (32,1)	0,84 (34,9)
		A+	
15		20	25
		1,5 / 0,15	
		5/0,5	
		45-55	
136		187	233

* V40 refers to the volume (in litres) of hot water available at 40 °C. N.B.: installing a mixing valve at the hot water outlet is recommended, to prevent the risk of scalding.



WARRANTY

ACCUTHERM BATTERIES ARE
GUARANTEED FOR 10 YEARS
(HEATER, STORAGE AND PCM)