

MIXERGY SOLAR X

MIXERGY SOLAR X - DIRECT AND INDIRECT
120 | 150 | 180 | 210 | 250 | 300 | 400 | 500 LITRE

A range of smart solar cylinders to suit every home

Make the most of solar power consumption without needing a traditional battery with the Mixergy Solar X. It can save up to 40% on the household's hot water bill, as well as saving up to 21% of gas when connected with a gas boiler.

The Mixergy Solar Diverter monitors your solar power and automatically diverts the excess energy for your hot water. or you can choose how much of your excess energy to use for hot water, allowing the remainder to be used to top up your batteries or to charge your EV.



UNIQUE VOLUMETRIC HEATING

Only heats what the household needs to save on energy and hot water bills.



SMART TARIFF READY

Households can save even more when they integrate with smart tariffs



SMART

Mixergy app features machine learning, schedule setting and insights



BUILT TO LAST

25-year warranty

TECHNICAL DATA MIXERGY SOLAR X DIRECT

Model	120L	150L	180L	210L	250L	300L	400L	500L
Product code	MX-120-ELE-549	MX-150-ELE-549	MX-180-ELE-549	MX-210-ELE-549	MX-250-ELE-549	MX-300-ELE-549	MX-400-ELE-709	MX-500-ELE-709
Nominal capacity (litres)	120L	150L	180L	210L	250L	300L	400L	500L
ErP rating	B	B	B	B	C	C	C	C
Insulation thickness (mm)	50	50	50	50	50	50	50	50
Connection size/type	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	1"F/threaded	1"F/threaded
Immersion heater rating (kW)	3	3	3	3	3	3	3	3
Height (mm)	986	1166	1346	1526	1766	2066	1613	1975
Diameter (mm)	582	582	582	582	582	582	710	710
Weight empty (kg)	35	38	42	45	51	55	86	102
Weight full (kg) *	155	188	212	255	301	355	486	602
Standing heat loss ** (kWh/24h)	0.68-1.06	0.68-1.22	0.68-1.34	0.68-1.44	0.68-1.75	0.68-2.04	0.97-2.21	0.97-2.42
Standing loss (W)	44	51	56	60	73	85	92	101
Minimum reheat time (15-65 °C)	44 mins	44 mins	44 mins	44 mins	44 mins	44 mins	69 mins	69 mins
70% charge reheat time (15-65 °C)	98 mins	123 mins	147 mins	172mins	205 mins	245 mins	325 mins	406 mins
100% charge reheat time (15-65 °C)	140 mins	176 mins	210 mins	246 mins	293 mins	350 mins	465 mins	581 mins

* For cylinders with external heat exchanger fitted, add 5kg to the full cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

TECHNICAL DATA MIXERGY SOLAR X INDIRECT

Model	120L	150L	180L	210L	250L	300L	400L	500L
Product code	MX-120-IND-549	MX-150-IND-549	MX-180-IND-549	MX-210-IND-549	MX-250-IND-549	MX-300-IND-549	MX-400-IND-709	MX-500-IND-709
Nominal capacity (litres)	120L	150L	180L	210L	250L	300L	400L	500L
ErP rating	B	B	B	B	C	C	C	C
Insulation thickness (mm)	50	50	50	50	50	50	50	50
Connection size/type	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	22mm/comp.	1"F/threaded	1"F/threaded
Immersion heater rating (kW)	3	3	3	3	3	3	3	3
Height (mm)	986	1166	1346	1526	1766	2066	1613	1975
Diameter (mm)	582	582	582	582	582	582	710	710
Weight empty (kg)	35	38	42	45	51	55	86	102
Weight full (kg) *	155	188	212	255	301	355	486	602
Coil rating (kW)	17.8	18.3	19.4	19.9	20.7	23.6	27.6	28.5
Standing heat loss ** (kWh/24h)	0.68-1.06	0.68-1.22	0.68-1.34	0.68-1.44	0.68-1.75	0.68-2.04	0.97-2.21	0.97-2.42
Standing loss (W)	44	51	56	60	73	85	92	101
Minimum reheat time (15-65 °C)	9 mins	11 mins	11 mins	12 mins	12 mins	12 mins	13 mins	15 mins
25% charge reheat time (15-65 °C)	9 mins	11 mins	11 mins	12 mins	12 mins	12 mins	13 mins	15 mins
70% charge reheat time (15-65 °C)	17 mins	20 mins	22 mins	26 mins	30 mins	31 mins	36 mins	43 mins
100% charge reheat time (15-65 °C)	24 mins	29 mins	31 mins	37 mins	42 mins	44 mins	51 mins	61 mins

* For cylinders with external heat exchanger fitted, add 5kg to the cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

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TECHNICAL DATA MIXERGY SOLAR X SLIMLINE DIRECT

Model	120L	150L	180L	210L
Product code	MX-120-ELE-479	MX-150-ELE-549	MX-180-ELE-479	MX-210-ELE-479
Nominal capacity (litres)	120	150	170	200
Height (mm)	1250	1440	1690	2000
Diameter (mm)	485	485	485	485
Weight empty (kg)	33	37	41	45
Weight full (kg) *	151	184	208	242
Cylinder material	Duplex Stainless steel			
Insulation	CFC/HCFC free polyurethane foam, 50mm			
Water connections	22 mm compression			
Electrical supply	16A, 230 - 240 V~			
ErP rating	B	B	B	B
Immersion heater rating (kW)	3	3	3	3
Standing heat loss ** (kWh/24h)	0.68-1.25	0.68-1.42	0.68-1.51	0.68-1.58
Standing loss (W)	52	59	63	66
Minimum reheat time (15-65 °C)	32 mins	32 mins	32 mins	32 mins
70% charge reheat time (15-65 °C)	98 mins	123 mins	147 mins	172 mins
100% charge reheat time (15-65 °C)	140 mins	176 mins	210 mins	246 mins

* For cylinders with external heat exchanger fitted, add 5kg to the cylinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

TECHNICAL DATA MIXERGY SOLAR X SLIMLINE INDIRECT

Model	120L	150L	180L	210L
Product code	MX-120-IND-479	MX-150-IND-479	MX-180-IND-479	MX-210-IND-479
Nominal capacity (litres)	120	150	170	200
Height (mm)	1250	1440	1690	2000
Diameter (mm)	485	485	485	485
Weight empty (kg)	33	37	41	45
Weight full (kg) *	151	184	208	242
Cylinder material	Duplex Stainless steel			
Insulation	CFC/HCFC free polyurethane foam, 50mm			
Water connections	22 mm compression			
Electrical supply	16A, 230 - 240 V~			
ErP rating	B	C	C	C
Immersion heater rating (kW)	3	3	3	3
Standing heat loss ** (kWh/24h)	0.68-1.25	0.68-1.42	0.68-1.51	0.68-1.58
Standing loss (W)	52	59	63	66
Minimum reheat time (15-65 °C)	11 mins	11 mins	11 mins	11 mins
70% charge reheat time (15-65 °C)	13 mins	15 mins	17 mins	20 mins
100% charge reheat time (15-65 °C)	19 mins	21 mins	24 mins	29 mins

* For cylinders with external heat exchanger fitted, add 5kg to timhemfuellrcsyiolinder weight. ** Lower value represents losses at 25% total volume heated and upper value is used for SAP

EMBEDDED SOLAR DIVERTER DETAILS

Thermostat cut-out temperature	80 °C
Immersion heater(s) rating	230-240 V~ 2.7-3.0 kW
Immersion heater(s) specification	EN 60335-2-73
Immersion heater(s) type	356 mm Incoloy/Ti
Modulation range	30W - 3000W
Immersion heater(s) type	100W