



SUPERLINE L USB SOLAR COLLECTOR

Superline L USB collectors are manufactured under high quality conditions. Contains sputtered blue high selective copper absorber surface to get the best performance under poor solar radiation.



Absorber: High selective coated copper surface with copper tubes

Front cover: Tempered low-iron solar glass with high transmittance

Frame: Electrostatic powder coated aluminium extrusion profiles

Insulation: Rockwool

Specification	Unit	Values
Dimensions (lengthxwidthxheight)	mm	1892x1204x99
Gross area	m ²	2,28
Aperture area	m ²	2,16
Cover thickness	mm	4
Cover material		tempered low-iron solar glass
Riser tubes material		copper
Riser tubes diameter	mm	Ø 8
Number of riser tubes	pcs	10
Manifold tubes material		l copper
Manifold tubes diameter	mm	Ø 22
Absorber type		grid (parallel)
Absorber surface material		blue selective coated copper
Absorbance of absorber surface		0,95±0,02
Emittance of absorber surface		0,05±0,02
Empty weight of collector	kg	41
Frame material		electrostatic powder coated aluminium
Insulation material		rock wool
Insulation thickness lateral/rear	mm	25/40
Fluid volume of absorber	lt	1,49
Allowed heat transfer fluid		glycol
Maximum working pressure	bar	9
Sealing material		EPDM
Optical performance of collector (eta 0)	%	71,3
Heat transfer coefficient (a1)	W/m ² K	3,3



SUPERLINE XL USB SOLAR COLLECTOR

Superline XL USB collectors are manufactured under high quality conditions. Contains sputtered blue high selective copper absorber surface to get the best performance under poor solar radiation.

Absorber: High selective coated copper surface with copper tubes
 Front cover: Tempered low-iron solar glass with high transmittance
 Frame: Electrostatic powder coated aluminium extrusion profiles
 Insulation: Rockwool



Specification	Unit	Values
Dimensions (lengthxwidthxheight)	mm	2310x1204x99
Gross area	m ²	2,78
Aperture area	m ²	2,72
Absorber area	m ²	2,54
Cover thickness	mm	4
Cover material		tempered low-iron solar glass
Riser tubes material		copper
Riser tubes diameter	mm	Ø 8
Number of riser tubes	pcs	10
Manifold tubes material		copper
Manifold tubes diameter	mm	Ø 22
Absorber type		grid (parallel)
Absorber surface material		blue selective coated copper
Absorbance of absorber surface		0,95±0,02
Emittance of absorber surface		0,05±0,02
Empty weight of collector	kg	49
Frame material		electrostatic powder coated aluminium
Insulation material		rock wool
Insulation thickness lateral/rear	mm	25/40
Fluid volume of absorber	lt	1,64
Allowed heat transfer fluid		glycol
Maximum working pressure	bar	9
Sealing material		EPDM
Optical performance of collector (eta 0)	%	70,4
Heat transfer coefficient (a1)	W/m ² K	3,555



CLOSED LOOP THERMOSIPHON TANKS

Thermosifon tanks are the most practical way of healthy hot water production with enamel coated. With high density , direct-injected monoblock PU insulation , tank keeps stored hot water for a long period.



Technical information:

Closed loop (indirect system) tank with jacket heat exchanger.

Internal coating: glazed enamel.

Cathodic protection : by magnesium anode bar

Insulation : direct-injected monoblock polyurethane hard foam.

specifications			
		type	type
specification	Unit	C - 200	C - 300
Capacity	lt.	201	287
Diameter	Mm	600	600
Length	Mm	1480	1980
Test pressure	Bar	12	12
Weight	kg	100	138
Insulation material		PU	PU
Outside cover		Electrostatic powder coated steel	
Inlets – outlets			
Hot water outlet		¾”	¾”
Cold water inlet		¾”	¾”
Solar circuit inlet		¾”	¾”
Solar circuit outlet		¾”	¾”
Connection for security valve		¾”	¾”

G SERIES SOLAR STORAGE TANKS

WITH DOUBLE COILS

G series storage tanks are manufactured for healthy hot water production with its enamel coated inner surface, from heating source and from solar thermal system, together or separately.

With high density, direct-injected monoblock PU insulation, tank keeps stored hot water for a long period.

Technical information:

Inner coating: 2 layers glazed enamel coating.

Heat exchangers: glazed enamel coated steel serpentine coils.

Cathodic protection: by mg anode bar with anode tester display outside.

Insulation: direct-injected monoblock polyurethane hard foam



specifications					
specification	unit	G-202	G-302	G-352	G-502
Capacity	lt.	200	300	350	500
Diameter	Mm	580	580	735	735
Width	Mm	655	655	805	805
Height	Mm	1370	1870	1415	1820
Heating coil area	m ²	0.78	1.01	1.09	1.49
Solar coil area	m ²	0.87	1.52	1.29	2.4
Heating coil volume	lt.	5.80	5.60	8.15	11.20
Solar coil volume	lt.	6.62	8.40	9.70	18.20
Flange diameter	Mm	106	106	106	106
Test pressure	Bar	18	18	18	18
Weight	kg	113	150	165	224
Insulation material		PU	PU	PU	PU
Height of connections	Mm				
Cold water (CW)	Mm	204	204	202	202
Hot water (HW)	Mm	895	895	1182	1582
Heating inlet	Mm	1565	1565	1065	1475
Heating outlet	Mm	1165	1165	785	1086
Solar inlet	Mm	910	910	695	985
Solar outlet	Mm	305	305	335	325
Circulation	Mm	1405	1405	875	1186
Flange	Mm	305	305	362	362
Permanent power of heating coil	kW	29	29	33.4	32
tCW= 10°C, tHW=45°C	lt/h	711	711	818	784
Permanent power of solar coil	kW	43.7	43.7	39.5	43.7
tCW= 10°C, tHW=45°C	lt/h	1070	1070	967	1070



Thermosifon solar water heaters 200 and 300 liters

Sun power Thermosifon solar water heaters have high efficiency and need minimum maintenance. Solar water heaters provide hot water to user through 4 seasons. Sun power Solar water heaters are environmental friendly and the most economic way to get hot water from the sun.



This system uses natural water circulation to heat up the water and doesn't require a pump or control unit. It includes solar collector(s), storage tank, durable mounting set and accessories.

All components storage tank, collector, mounting set and accessories are delivered well packed to the customer.

Solar collector:

High efficient coated absorber plate, aluminium frame, tempered solar glass secures performance of solar collector. Insulation made from mineral wool or polyurethane to minimize the heat loss

Accessories:

All sun power systems are supplied with an accessories package that includes all required connections, fittings and security equipments for installation.

Solar storage tank:

Sun power solar storage tank utilizes multi purpose hot water need of the family with its tank volume are 200 lt. or 300 lt. enamel coated internal tank ensures hygienic hot water to user.

Mounting set:

Sun power Supplies a variety of solutions for flat or inclined roof installations. Sun power Mounting sets are made of galvanized steel and aluminium to ensure durability in all conditions.

We meet customer requirements and provides appropriate collectors and storage tanks according to size.

Closed loop (indirect system)

closed-loop systems prevent freezing and scale. Heated glycol-water mixture solution from the collector flows into the tank's heat-exchanger and then returns to the collector after heating up the domestic water. Sun power systems operate without any external expansion tank. An optional electrical backup element supplies energy sustainability also during the periods of lower solar radiation

Type	Capacity	Nbre of pannels	Size of pannels	Space
Kg-200	200 lit.	1	1.20*1.90 m	1.20*1.80 m
Kg-300	300 lit.	2	1.20*1.90 m	2.50*1.80 m