



Certificate no.  
Certificado nº **PSK-009/2020**

Name and address of certificate holder:  
Nome e morada do titular do certificado:

SOLE S. A.  
Lefktron and Laikon Agonon,  
Acharnai – 13671, Athens  
GREECE

Product:  
Produto:

Thermal solar system and components – Factory made system  
*Instalação solar térmica pré-fabricada e seus componentes*

Type references:

125-1-S150; 125-1-S200; 150-1-S200; 150-1-S230; 150-2-S150;  
200-1-S200; 200-1-S230; 200-1-S260; 200-2-S200; 300-2-S200;  
300-2-S230

Referências:

Trademark(s):  
Marca(s) comercial(is):

EUROSTAR ECO, HELIOTHERMO ECO

Technical characteristics:  
Características técnicas:

Summary of EN 12976 Test Results: *Registration No. PSK-002/2016,*  
(in annex)  
*Resumo dos resultados dos ensaios realizados segundo a norma EN 12976:*  
*Registo Nº PSK-002/2016, (em anexo)*

This product is in conformity with:  
Este produto está em conformidade com:

EN 12976-1:2006, EN 12976-2:2006

and with the Specific Keymark Scheme Rules for Solar Thermal Products  
e com as Regras Particulares do CEN Keymark Scheme para Produtos Solares Térmicos.

Test report(s) no. / issued by:  
Relatórios de ensaios nº(s) / emitidos por:

Nº 6075DE2, 6076DE2, 6075F1 / DEMOKRITOS

Additional information (if any):  
Informação adicional (se existir):

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This certificate is valid until:  
Este certificado é válido até:  
and supersedes certificate no:  
e substitui o certificado nº:

2025-12-13

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Date of issue:  
Data de emissão:


2020-12-14



Francisco Barroca  
General Manager / Diretor Geral




This Certificate includes one Annex with 12 (twelve) pages  
Este Certificado é constituído por um Anexo com 12 (doze) páginas

Summary of	EN12976-2	SOLAR SYSTEM test results	Licence Number	PSK-009/2020						
Annex to Solar KEYMARK Certificate			Issued	2020-12-14						
Company	SOLE SA		Country	GREECE						
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com						
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com						
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 / 2						
<b>System classification</b>										
Application(s)	Hot water									
Solar loop, circulation principle	Thermosyphon									
Direct solar loop / heat exchanger	Heat exchanger									
Open, vented or closed solar loop	Closed									
Drain back/down	Always filled (no drain)									
Store location	Outdoor									
Store orientation (of main axis)	Horizontal									
Type of auxiliary heating (internal back-up heat)	None									
If other auxiliary/internal back-up heating, please specify:										
Solar+supplementary OR Solar-only / Solar pre-heat	Solar only / Solar preheat									
<b>Collector(s)</b>			<b>Heat store(s)</b>							
Company	SOLE SA		Company	SOLE SA						
Keymark lic.no. if available	PSK-008/2020		Keymark lic.no. if available							
Collector name	<b>Per module</b>			Store name	Total nominal volume	Gross height	Gross width	Gross depth	Auxiliary heated volume	Electrical aux. heating power
	Gross Area (Ag)	Gross length	Gross width							
	m <sup>2</sup>	mm	mm							
ECO S260	2.64	2135	1238	125	115	1000	400	400	-	-
ECO S230	2.28	1960	1165	150	142	1040	440	440	-	-
ECO S200	1.88	1960	960	200	170	1065	480	480	-	-
ECO S150	1.48	1540	960	300	276	1765	450	450	-	-
<b>Solar loop controller</b>					<b>Solar loop fluid</b>					
Keymark lic.no. if available	-				Recommended/required	Required				
Company	-				Company	-				
Name	-				Name	Propylenoglycol				
Solar loop pump - power range	- W to - W				Freezing point	-15 °C				
<b>System family overview</b>										
Collector name	<b>Number of collectors in each configuration for each store</b>									
	<b>Store name</b>									
	125		150		200		300			
ECO S260										
ECO S230				1					1	
ECO S200		1		1				1	2	2
ECO S150	1			2						
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"					
<b>Website</b>					www.solar.demokritos.gr					
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1					
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20					
<b>Comments of test lab</b>					<p>N.C.S.R. "DEMOKRITOS"          SOLAR ENERGY LABORATORY          Tel: +210 6503815 - Fax: +210 6845500          P.O. BOX 60037, 15310 Ag. Paraskevi, Greece</p> 					
Comments ...										

<b>Summary of</b>		<b>EN12976-2</b>		<b>test results</b>		<b>Certification No.</b>		<b>PSK-009/2020</b>									
<b>Annex to Solar KEYMARK Certificate</b>						<b>Issued</b>		<b>2020-12-14</b>									
<b>Company</b>		SOLE SA				<b>Country</b>		GREECE									
<b>Brand (optional)</b>		EUROSTAR ECO, HELIOTHERMO ECO				<b>Website</b>		www.eurostar-solar.com									
<b>Street</b>		LEFKTRON & LAIKON AGONON				<b>E-mail</b>		export@sole.com									
<b>Postal Code</b>		13671		ACHARNAI, ATHENS		<b>Tel. / Fax</b>		+30 2102389500 /2									
<b>System family overview</b>																	
For each storage and collector size, give number of collectors																	
<b>Collector name</b>		125		150		200		300									
ECO S260						1											
ECO S230				1		1		2									
ECO S200		1		1		1	2	2									
ECO S150		1		2													
<b>Name of system configuration</b>						125-1-S150											
<b>Collector name</b>		ECO S150		<b>No. Collectors</b>		1		<b>Storage name</b>		125							
<b>Calculated annual results for "solar-only / preheat system"</b>																	
<b>Location</b>	<b>Qd,sh</b>	<b>Daily drawoff 80 l</b>				<b>Daily drawoff 110 l</b>				<b>Daily drawoff 140 l</b>							
		<b>Qd,hw</b>		<b>QL</b>		<b>Qpar</b>		<b>fsol</b>		<b>Qd,hw</b>		<b>QL</b>		<b>Qpar</b>		<b>fsol</b>	
		MJ/y		MJ/y		MJ/y		%		MJ/y		MJ/y		MJ/y		%	
Stockholm SE	0	4478	1949	-	44	6150	2255	-	37	7821	2416	-	31				
WürzburgDE	0	4289	2028	-	47	5897	2372	-	40	7506	2592	-	35				
Davos CH	0	4857	2870	-	59	6654	3280	-	49	8483	3532	-	42				
Athens GR	0	3343	2567	-	77	4573	3147	-	69	5834	3595	-	62				
<b>Perf. indicators for the table above</b>																	
Qd,sh	MJ/y	Not relevant for solar domestic hot water system															
Qd	MJ/y	Annual heat demand for domestic hot water															
QL	MJ/y	Annual heat energy delivered by the solar system															
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)															
f <sub>sol</sub> =Q <sub>l</sub> /Q <sub>d</sub>	-	Solar fraction															
<b>Ref. conditions</b>		Stockholm SE	Würzburg DE	Davos CH	Athens GR												
	G	1,157	1,230	1,684	1,736												
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5												
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8												
	± ΔTc	6.4	3.0	0.8	7.4												
G	kWh/m <sup>2</sup>	Annual irradiation South, 45°															
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature															
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.															
ΔTc	K	Seasonal variation of Tc															
Th	45 °C	Desired hot water temperature (mixing valve temperature).															
<b>Max. operating press. - collector side</b>			250 kPa		<b>Max. operating press. - tank side</b>			1000 kPa									
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"												
<b>Website</b>					www.solar.demokritos.gr												
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1												
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20												
<b>Test method</b>					ISO 9459-5 (DST)												
<b>Comments of test lab</b>					N.C.S.R. "DEMOKRITOS" SOLAR ENERGY LABORATORY Tel: +210 6503815 - Fax: +210 6844500 P.O. BOX 60037, 15310 Ag. Paraskevi, Greece												

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5% to ± 15%

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	PSK-009/2020									
Annex to Solar KEYMARK Certificate			Issued	2020-12-14									
Company	SOLE SA		Country	GREECE									
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com									
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com									
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 / 2									
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125	150	200	300									
ECO S260			1										
ECO S230		1	1	2									
ECO S200	1	1	1	2									
ECO S150	1	2											
Name of system configuration			125-1-S200										
Collector name	ECO S200	No. Collectors	1	Storage name									
Calculated annual results for "solar-only / preheat system"													
Location	Qd,sh	Daily drawoff				Daily drawoff				Daily drawoff			
		80		110		140							
	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	4478	2148	-	48	6150	2532	-	41	7821	2740	-	35
WürzburgDE	0	4289	2208	-	52	5897	2646	-	45	7506	2939	-	39
Davos CH	0	4857	3217	-	66	6654	3721	-	56	8483	4068	-	48
Athens GR	0	3343	2718	-	82	4573	3406	-	74	5834	3910	-	67
<b>Perf. indicators for the table above</b>													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
$f_{sol}=Q_L/Q_d$	-	Solar fraction											
Ref. conditions		Stockholm SE	WürzburgDE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	Ta,ave	7.5	9.0	3.2	18.5								
	Tc,ave	8.5	10.0	5.4	17.8								
	$\pm \Delta T_c$	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual Irradiation South, 45°											
Ta,ave	°C	Annual average outdoor air temperature											
Tc,ave	°C	Annual average mains cold water temp.											
$\Delta T_c$	K	Seasonal variation of Tc											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		250	kPa	Max. operating press. - tank side		1000	kPa						
Testing Laboratory		Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"											
Website		www.solar.demokritos.gr											
Test report id. number		6075DE2, 6076DE2, 6075F1											
Date of test report		2015-12-03, 2015-12-03, 2015-10-20											
Test method		ISO 9459-5 (DST)											
Comments of test lab		<p>N.C.S.R. "DEMOKRITOS"                  SOLAR ENERGY LABORATORY                  Tel: +210 6503815 - Fax: +210 6804502                  P.O. BOX 60037, 15310 Ag. Paraskevi, Greece</p> 											


 All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of  $\pm 5\%$  to  $\pm 15\%$ 

Version 4.5, 2017-10-24

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Annex to Solar KEYMARK Certificate			Issued	2020-12-14									
Company	SOLE SA		Country	GREECE									
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com									
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com									
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 /2									
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125	150	200	300									
ECO S260			1										
ECO S230		1	1	2									
ECO S200	1	1	1	2									
ECO S150	1	2											
Name of system configuration			150-1-S200										
Collector name	ECO S200	No. Collectors	1	Storage name									
Calculated annual results for "solar-only / preheat system"													
Location	Qd,sh	Daily drawoff				Daily drawoff				Daily drawoff			
		110		140		170							
	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	6150	2545	-	42	7821	2778	-	36	9492	2933	-	31
Würzburg DE	0	5897	2658	-	45	7506	2968	-	40	9114	3185	-	35
Davos CH	0	6654	3721	-	56	8483	4100	-	48	10281	4352	-	42
Athens GR	0	4573	3406	-	75	5834	3974	-	68	7064	4384	-	62
Perf. indicators for the table above													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
$f_{sol}=Q_L/Q_d$	-	Solar fraction											
Ref. conditions		Stöckholm SE	Würzburg DE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual Irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		250	kPa	Max. operating press. - tank side		1000	kPa						
Testing Laboratory		Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"											
Website		www.solar.demokritos.gr											
Test report id. number		6075DE2, 6076DE2, 6075F1											
Date of test report		2015-12-03, 2015-12-03, 2015-10-20											
Test method		ISO 9459-5 (DST)											
Comments of test lab													
		<b>N.C.S.R. "DEMOKRITOS"</b> SOLAR ENERGY LABORATORY Tel: +210 6503815 - Fax: +210 6504592 P.O. BOX 60037, 15310 Ag. Paraskevi, Greece											

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Version 4.5, 2017-10-24

Summary of		EN12976-2		test results		Certification No.		PSK-009/2020					
Annex to Solar KEYMARK Certificate						Issued		2020-12-14					
Company		SOLE SA				Country		GREECE					
Brand (optional)		EUROSTAR ECO, HELIOTHERMO ECO				Website		www.eurostar-solar.com					
Street		LEFKTRON & LAIKON AGONON				E-mail		export@sole.com					
Postal Code		13671		ACHARNAI, ATHENS		Tel. / Fax		+30 2102389500 /2					
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125		150		200		300						
ECO S260						1							
ECO S230			1			1		2					
ECO S200	1		1			1	2	2					
ECO S150	1			2									
Name of system configuration						150-1-S230							
Collector name		ECO S230		No. Collectors		1		Storage name		150			
<b>Calculated annual results for "solar-only / preheat system"</b>													
Location	Qd,sh	Daily drawoff 110				Daily drawoff 140				Daily drawoff 170			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%
Stockholm SE	0	6150	2763	-	45	7821	3046	-	39	9492	3248	-	34
WürzburgDE	0	5897	2867	-	49	7506	3248	-	43	9114	3500	-	39
Davos CH	0	6654	4100	-	62	8483	4541	-	54	10281	4857	-	47
Athens GR	0	4573	3595	-	79	5834	4226	-	72	7064	4699	-	67
<b>Perf. indicators for the table above</b>													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
f <sub>sol</sub> =Q <sub>l</sub> /Q <sub>d</sub>	-	Solar fraction											
Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔTc	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔTc	K	Seasonal variation of Tc											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side				250 kPa		Max. operating press. - tank side				1000 kPa			
Testing Laboratory						Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"							
Website						www.solar.demokritos.gr							
Test report id. number						6075DE2, 6076DE2, 6075F1							
Date of test report						2015-12-03, 2015-12-03, 2015-10-20							
Test method						ISO 9459-5 (DST)							
Comments of test lab						<p>N.C.S.R. "DEMOKRITOS"          SOLAR ENERGY LABORATORY          Tel: +210 6503815 - Fax: +210 6944592          P.O. BOX 60637, 15310 Ag. Paraskevi, Greece</p> 							


All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

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Summary of	EN12976-2	test results	Certification No.	PSK-009/2020									
Annex to Solar KEYMARK Certificate			Issued	2020-12-14									
Company	SOLE SA		Country	GREECE									
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com									
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com									
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 / 2									
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125	150	200	300									
ECO S260			1										
ECO S230		1	1	2									
ECO S200	1	1	1	2									
ECO S150	1	2											
Name of system configuration			150-2-S150										
Collector name	ECO S150	No. Collectors	2	Storage name									
Calculated annual results for "solar-only / preheat system"													
Location	Qd,sh	Daily drawoff				Daily drawoff				Daily drawoff			
		110		140		170							
	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	6150	2980	-	49	7821	3311	-	43	9492	3564	-	38
WürzburgDE	0	5897	3062	-	52	7506	3532	-	47	9114	3879	-	43
Davos CH	0	6654	4447	-	67	8483	5014	-	59	10281	5393	-	52
Athens GR	0	4573	3753	-	82	5834	4447	-	76	7064	5014	-	71
<b>Perf. indicators for the table above</b>													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
$f_{sol}=Q_L/Q_d$	-	Solar fraction											
Ref. conditions		Stockholm SE	WürzburgDE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual Irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		250	kPa	Max. operating press. - tank side		1000	kPa						
Testing Laboratory		Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"											
Website		www.solar.demokritos.gr											
Test report id. number		6075DE2, 6076DE2, 6075F1											
Date of test report		2015-12-03, 2015-12-03, 2015-10-20											
Test method		ISO 9459-5 (DST)											
Comments of test lab						N.C.S.R. "DEMOKRITOS" SOLAR ENERGY LABORATORY Tel: +210 6503815 - Fax: +210 6564582 P.O. BOX 60037, 15310 Ag. Paraskevi, Greece							

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5% to ± 15%

Version 4.5, 2017-10-24

<b>Summary of</b>		<b>EN12976-2</b>	<b>test results</b>		<b>Certification No.</b>		<b>PSK-009/2020</b>								
<b>Annex to Solar KEYMARK Certificate</b>					<b>Issued</b>		<b>2020-12-14</b>								
<b>Company</b>		SOLE SA			<b>Country</b>		GREECE								
<b>Brand (optional)</b>		EUROSTAR ECO, HELIOTHERMO ECO			<b>Website</b>		www.eurostar-solar.com								
<b>Street</b>		LEFKTRON & LAIKON AGONON			<b>E-mail</b>		export@sole.com								
<b>Postal Code</b>		13671	ACHARNAI, ATHENS		<b>Tel. / Fax</b>		+30 2102389500 /2								
<b>System family overview</b>															
<b>For each storage and collector size, give number of collectors</b>															
<b>Collector name</b>	125		150		200		300								
ECO S260					1										
ECO S230			1		1		2								
ECO S200	1		1		1	2	2								
ECO S150	1		2												
<b>Name of system configuration</b>					200-1-5200										
<b>Collector name</b>		ECO S200		<b>No. Collectors</b>		1		<b>Storage name</b>		200					
<b>Calculated annual results for "solar-only / preheat system"</b>															
<b>Location</b>	<b>Qd,sh</b>	<b>Daily drawoff 140 l</b>				<b>Daily drawoff 170 l</b>				<b>Daily drawoff 200 l</b>					
		<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>	<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>	<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>		
	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>		
Stockholm SE	0	7821	2804	-	36	9492	2980	-	31	11164	3106	-	28		
Würzburg DE	0	7506	2986	-	40	9114	3217	-	35	10691	3406	-	32		
Davos CH	0	8483	4100	-	48	10281	4384	-	43	12110	4573	-	38		
Athens GR	0	5834	3974	-	68	7064	4415	-	63	8326	4762	-	57		
<b>Perf. indicators for the table above</b>															
<b>Qd,sh</b>	<b>MJ/y</b>	<b>Not relevant for solar domestic hot water system</b>													
<b>Qd</b>	<b>MJ/y</b>	<b>Annual heat demand for domestic hot water</b>													
<b>QL</b>	<b>MJ/y</b>	<b>Annual heat energy delivered by the solar system</b>													
<b>Qpar</b>	<b>MJ/y</b>	<b>Annual parasitic energy: (electricity for pumps/controllers)</b>													
<b>f<sub>sol</sub>=Q<sub>L</sub>/Q<sub>d</sub></b>	-	<b>Solar fraction</b>													
<b>Ref. conditions</b>			Stockholm SE	Würzburg DE	Davos CH	Athens GR									
		<b>G</b>	1,157	1,230	1,684	1,736									
		<b>T<sub>a,ave</sub></b>	7.5	9.0	3.2	18.5									
		<b>T<sub>c,ave</sub></b>	8.5	10.0	5.4	17.8									
		<b>± ΔT<sub>c</sub></b>	6.4	3.0	0.8	7.4									
<b>G</b>	<b>kWh/m<sup>2</sup></b>	<b>Annual irradiation South, 45°</b>													
<b>T<sub>a,ave</sub></b>	<b>°C</b>	<b>Annual average outdoor air temperature</b>													
<b>T<sub>c,ave</sub></b>	<b>°C</b>	<b>Annual average mains cold water temp.</b>													
<b>ΔT<sub>c</sub></b>	<b>K</b>	<b>Seasonal variation of T<sub>c</sub></b>													
<b>Th</b>	<b>45 °C</b>	<b>Desired hot water temperature (mixing valve temperature).</b>													
<b>Max. operating press. - collector side</b>			250	<b>kPa</b>	<b>Max. operating press. - tank side</b>			1000	<b>kPa</b>						
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"										
<b>Website</b>					www.solar.demokritos.gr										
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1										
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20										
<b>Test method</b>					ISO 9459-5 (DST)										
<b>Comments of test lab</b>					<p>N.C.S.R. "DEMOKRITOS"          SOLAR ENERGY LABORATORY          Tel: +210 6503815 - Fax: +210 6504502          P.O. BOX 60037, 15310 Ag. Paraskevi, Greece</p> 										

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %


Version 4.5, 2017-10-24



<b>Summary of</b>		<b>EN12976-2</b>	<b>test results</b>		<b>Certification No.</b>		<b>PSK-009/2020</b>										
<b>Annex to Solar KEYMARK Certificate</b>					<b>Issued</b>		<b>2020-12-14</b>										
<b>Company</b>		SOLE SA			<b>Country</b>		GREECE										
<b>Brand (optional)</b>		EUROSTAR ECO, HELIOTHERMO ECO			<b>Website</b>		www.eurostar-solar.com										
<b>Street</b>		LEFKTRON & LAIKON AGONON			<b>E-mail</b>		export@sole.com										
<b>Postal Code</b>		13671	ACHARNAI, ATHENS		<b>Tel. / Fax</b>		+30	2102389500 /2									
<b>System family overview</b>																	
For each storage and collector size, give number of collectors																	
<b>Collector name</b>	125		150		200		300										
ECO S260						1											
ECO S230			1			1		2									
ECO S200	1		1			1	2	2									
ECO S150	1			2													
<b>Name of system configuration</b>					200-1-S230												
<b>Collector name</b>		ECO S230		<b>No. Collectors</b>		1		<b>Storage name</b>		200							
<b>Calculated annual results for "solar-only / preheat system"</b>																	
<b>Location</b>	<b>Qd,sh</b>	<b>Daily drawoff 140 l</b>				<b>Daily drawoff 170 l</b>				<b>Daily drawoff 200 l</b>							
		<b>Qd,hw</b>		<b>QL</b>		<b>Qpar</b>		<b>fsol</b>		<b>Qd,hw</b>		<b>QL</b>		<b>Qpar</b>		<b>fsol</b>	
		<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>			
Stockholm SE	0	7821	3091	-	40	9492	3311	-	35	11164	3469	-	31				
Würzburg DE	0	7506	3280	-	44	9114	3564	-	39	10691	3784	-	35				
Davos CH	0	8483	4573	-	54	10281	4920	-	48	12110	5172	-	43				
Athens GR	0	5834	4257	-	73	7064	4762	-	67	8326	5203	-	62				
<b>Perf. indicators for the table above</b>																	
<b>Qd,sh</b>	<b>MJ/y</b>	<b>Not relevant for solar domestic hot water system</b>															
<b>Qd</b>	<b>MJ/y</b>	<b>Annual heat demand for domestic hot water</b>															
<b>QL</b>	<b>MJ/y</b>	<b>Annual heat energy delivered by the solar system</b>															
<b>Qpar</b>	<b>MJ/y</b>	<b>Annual parasitic energy: (electricity for pumps/controllers)</b>															
<b>f<sub>sol</sub>=Q<sub>l</sub>/Q<sub>d</sub></b>	<b>-</b>	<b>Solar fraction</b>															
<b>Ref. conditions</b>			Stöckholm SE	Würzburg DE	Davos CH	Athens GR											
		<b>G</b>	1,157	1,230	1,684	1,736											
		<b>T<sub>a,ave</sub></b>	7.5	9.0	3.2	18.5											
		<b>T<sub>c,ave</sub></b>	8.5	10.0	5.4	17.8											
		<b>± ΔT<sub>c</sub></b>	6.4	3.0	0.8	7.4											
<b>G</b>	<b>kWh/m<sup>2</sup></b>	<b>Annual Irradiation South, 45°</b>															
<b>T<sub>a,ave</sub></b>	<b>°C</b>	<b>Annual average outdoor air temperature</b>															
<b>T<sub>c,ave</sub></b>	<b>°C</b>	<b>Annual average mains cold water temp.</b>															
<b>ΔT<sub>c</sub></b>	<b>K</b>	<b>Seasonal variation of T<sub>c</sub></b>															
<b>Th</b>	<b>45 °C</b>	<b>Desired hot water temperature (mixing valve temperature).</b>															
<b>Max. operating press. - collector side</b>			250		<b>kPa</b>		<b>Max. operating press. - tank side</b>			1000		<b>kPa</b>					
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"												
<b>Website</b>					www.solar.demokritos.gr												
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1												
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20												
<b>Test method</b>					ISO 9459-5 (DST)												
<b>Comments of test lab</b>					<b>N.C.S.R. "DEMOKRITOS"</b> <b>SOLAR ENERGY LABORATORY</b> Tel: +210 6503815 - Fax: +210 6844582 P.O. BOX 60037, 15310 Ag. Paraskevi, Greece												


All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5 % to ± 15 %

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	PSK-009/2020									
Annex to Solar KEYMARK Certificate			Issued	2020-12-14									
Company	SOLE SA		Country	GREECE									
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com									
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com									
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 / 2									
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125	150	200	300									
ECO S260			1										
ECO S230		1	1	2									
ECO S200	1	1	1	2									
ECO S150	1	2											
Name of system configuration			200-1-5260										
Collector name	ECO S260	No. Collectors	1	Storage name									
				200									
<b>Calculated annual results for "solar-only / preheat system"</b>													
Location	Qd,sh	Daily drawoff 140 l				Daily drawoff 170 l				Daily drawoff 200 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	7821	3138	-	40	9492	3374	-	36	11164	3595	-	32
Würzburg DE	0	7506	3280	-	44	9114	3595	-	40	10691	3816	-	36
Davos CH	0	8483	4541	-	53	10281	4857	-	47	12110	5109	-	42
Athens GR	0	5834	4257	-	73	7064	4762	-	67	8326	5172	-	62
<b>Perf. indicators for the table above</b>													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
f <sub>sol</sub> =Q <sub>L</sub> /Q <sub>d</sub>	-	Solar fraction											
Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		250	kPa	Max. operating press. - tank side		1000	kPa						
Testing Laboratory		Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"											
Website		www.solar.demokritos.gr											
Test report id. number		6075DE2, 6076DE2, 6075F1											
Date of test report		2015-12-03, 2015-12-03, 2015-10-20											
Test method		ISO 9459-5 (DST)											
Comments of test lab		<p><b>N.C.S.R. "DEMOKRITOS"</b>          SOLAR ENERGY LABORATORY          Tel: +210 6503815 - Fax: +210 6504592          P.O. BOX 60837, 15310 Ag. Paraskevi, Greece</p> 											


All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5% to ± 15%

Version 4.5, 2017-10-24

Summary of	EN12976-2	test results	Certification No.	PSK-009/2020									
Annex to Solar KEYMARK Certificate			Issued	2020-12-14									
Company	SOLE SA		Country	GREECE									
Brand (optional)	EUROSTAR ECO, HELIOTHERMO ECO		Website	www.eurostar-solar.com									
Street	LEFKTRON & LAIKON AGONON		E-mail	export@sole.com									
Postal Code	13671	ACHARNAI, ATHENS	Tel. / Fax	+30 2102389500 / 2									
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
Collector name	125	150	200	300									
ECO S260			1										
ECO S230		1	1	2									
ECO S200	1	1	1	2									
ECO S150	1	2											
Name of system configuration			200-2-S200										
Collector name	ECO S200	No. Collectors	2	Storage name	200								
Calculated annual results for "solar-only / preheat system"													
Location	Qd,sh	Daily drawoff 140 l				Daily drawoff 170 l				Daily drawoff 200 l			
		Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	7821	3595	-	46	9492	3910	-	41	11164	4131	-	37
Würzburg DE	0	7506	3784	-	50	9114	4194	-	46	10691	4510	-	42
Davos CH	0	8483	5456	-	64	10281	5929	-	58	12110	6307	-	52
Athens GR	0	5834	4667	-	80	7064	5330	-	75	8326	5897	-	71
Perf. indicators for the table above													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
$f_{sol} = Q_L / Q_d$	-	Solar fraction											
Ref. conditions		Stockholm SE	Würzburg DE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual Irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
Max. operating press. - collector side		250	kPa	Max. operating press. - tank side		1000	kPa						
Testing Laboratory		Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"											
Website		www.solar.demokritos.gr											
Test report id. number		6075DE2, 6076DE2, 6075F1											
Date of test report		2015-12-03, 2015-12-03, 2015-10-20											
Test method		ISO 9459-5 (DST)											
Comments of test lab		<p>N.C.S.R. "DEMOKRITOS"                  SOLAR ENERGY LABORATORY                  Tel: +210 6503815 - Fax: +210 6504502                  P.O. BOX 60037, 15310 Ag. Paraskevi, Greece</p> 											

All values are subject to some uncertainty; e.g. the uncertainty on system output is typically in the range of ± 5% to ± 15%

Version 4.5, 2017-10-24

<b>Summary of</b>		<b>EN12976-2</b>	<b>test results</b>		<b>Certification No.</b>		<b>PSK-009/2020</b>						
<b>Annex to Solar KEYMARK Certificate</b>					<b>Issued</b>		<b>2020-12-14</b>						
<b>Company</b>		SOLE SA			<b>Country</b>		GREECE						
<b>Brand (optional)</b>		EUROSTAR ECO, HELIOTHERMO ECO			<b>Website</b>		www.eurostar-solar.com						
<b>Street</b>		LEFKTRON & LAIKON AGONON			<b>E-mail</b>		export@sole.com						
<b>Postal Code</b>		13671	ACHARNAI, ATHENS		<b>Tel. / Fax</b>		+30 2102389500 /2						
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
<b>Collector name</b>	125		150		200		300						
ECO S260					1								
ECO S230			1		1		2						
ECO S200	1		1		1	2	2						
ECO S150	1		2										
<b>Name of system configuration</b>					300-2-S200								
<b>Collector name</b>		ECO S200		<b>No. Collectors</b>		2		<b>Storage name</b>	300				
<b>Calculated annual results for "solar-only / preheat system"</b>													
<b>Location</b>	<b>Qd,sh</b>	<b>Daily drawoff 250 l</b>				<b>Daily drawoff 300 l</b>				<b>Daily drawoff 400 l</b>			
		<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>	<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>	<b>Qd,hw</b>	<b>QL</b>	<b>Qpar</b>	<b>fsol</b>
	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>MJ/y</b>	<b>%</b>
Stockholm SE	0	13939	5456	-	39	16746	5771	-	35	22327	6307	-	28
Würzburg DE	0	13371	5803	-	44	16052	6276	-	39	21413	6686	-	31
Davos CH	0	15137	8105	-	54	18165	8641	-	48	24220	9177	-	38
Athens GR	0	10407	7537	-	73	12488	8389	-	67	16651	9429	-	57
<b>Perf. indicators for the table above</b>													
<b>Qd,sh</b>	<b>MJ/y</b>	<b>Not relevant for solar domestic hot water system</b>											
<b>Qd</b>	<b>MJ/y</b>	<b>Annual heat demand for domestic hot water</b>											
<b>QL</b>	<b>MJ/y</b>	<b>Annual heat energy delivered by the solar system</b>											
<b>Qpar</b>	<b>MJ/y</b>	<b>Annual parasitic energy: (electricity for pumps/controllers)</b>											
<b>f<sub>sol</sub>=Q<sub>l</sub>/Q<sub>d</sub></b>	-	<b>Solar fraction</b>											
<b>Ref. conditions</b>			Stockholm SE	Würzburg DE	Davos CH	Athens GR							
		<b>G</b>	1,157	1,230	1,684	1,736							
		<b>T<sub>a,ave</sub></b>	7.5	9.0	3.2	18.5							
		<b>T<sub>c,ave</sub></b>	8.5	10.0	5.4	17.8							
		<b>± ΔT<sub>c</sub></b>	6.4	3.0	0.8	7.4							
<b>G</b>	<b>kWh/m<sup>2</sup></b>	<b>Annual Irradiation South, 45°</b>											
<b>T<sub>a,ave</sub></b>	<b>°C</b>	<b>Annual average outdoor air temperature</b>											
<b>T<sub>c,ave</sub></b>	<b>°C</b>	<b>Annual average mains cold water temp.</b>											
<b>ΔT<sub>c</sub></b>	<b>K</b>	<b>Seasonal variation of T<sub>c</sub></b>											
<b>Th</b>	<b>45 °C</b>	<b>Desired hot water temperature (mixing valve temperature).</b>											
<b>Max. operating press. - collector side</b>			250 kPa		<b>Max. operating press. - tank side</b>			1000 kPa					
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"								
<b>Website</b>					www.solar.demokritos.gr								
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1								
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20								
<b>Test method</b>					ISO 9459-5 (DST)								
<b>Comments of test lab</b>					<p><b>N.C.S.R. "DEMOKRITOS"</b>  <b>SOLAR ENERGY LABORATORY</b>          Tel: +210 6503815 - Fax: +210 6504592          P.O. BOX 60037, 15310 Ag. Paraskevi, Greece</p> 								

All values are subject to some uncertainty, e.g. the uncertainty on system output is typically in the range of ± 5% to ± 15%

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<b>Summary of</b>		<b>EN12976-2</b>	<b>test results</b>		<b>Certification No.</b>		<b>PSK-009/2020</b>						
<b>Annex to Solar KEYMARK Certificate</b>					<b>Issued</b>		<b>2020-12-14</b>						
<b>Company</b>		SOLE SA			<b>Country</b>		GREECE						
<b>Brand (optional)</b>		EUROSTAR ECO, HELIOTHERMO ECO			<b>Website</b>		www.eurostar-solar.com						
<b>Street</b>		LEFKTRON & LAIKON AGONON			<b>E-mail</b>		export@sole.com						
<b>Postal Code</b>		13671	ACHARNAI, ATHENS		<b>Tel. / Fax</b>		+30	2102389500 /2					
<b>System family overview</b>													
For each storage and collector size, give number of collectors													
<b>Collector name</b>	125		150		200		300						
ECO S260					1								
ECO S230			1		1		2						
ECO S200	1		1		1	2	2						
ECO S150	1		2										
<b>Name of system configuration</b>					300-2-S230								
<b>Collector name</b>		ECO S230		<b>No. Collectors</b>		2		<b>Storage name</b>		300			
<b>Calculated annual results for "solar-only / preheat system"</b>													
<b>Location</b>	<b>Qd,sh</b>	<b>Daily drawoff</b>				<b>Daily drawoff</b>				<b>Daily drawoff</b>			
		250				300				400			
	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	Qd,hw	QL	Qpar	fsol	
	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	MJ/y	MJ/y	MJ/y	%	
Stockholm SE	0	13939	5929	-	42	16746	6307	-	38	22327	6938	-	31
WürzburgDE	0	13371	6276	-	47	16052	6812	-	43	21413	7348	-	34
Davos CH	0	15137	8893	-	59	18165	9524	-	52	24220	10186	-	42
Athens GR	0	10407	7947	-	76	12488	8893	-	71	16651	10155	-	61
<b>Perf. indicators for the table above</b>													
Qd,sh	MJ/y	Not relevant for solar domestic hot water system											
Qd	MJ/y	Annual heat demand for domestic hot water											
QL	MJ/y	Annual heat energy delivered by the solar system											
Qpar	MJ/y	Annual parasitic energy: (electricity for pumps/controllers)											
f <sub>sol</sub> =Q <sub>l</sub> /Q <sub>d</sub>	-	Solar fraction											
<b>Ref. conditions</b>		Stockholm SE	Würzburg DE	Davos CH	Athens GR								
	G	1,157	1,230	1,684	1,736								
	T <sub>a,ave</sub>	7.5	9.0	3.2	18.5								
	T <sub>c,ave</sub>	8.5	10.0	5.4	17.8								
	± ΔT <sub>c</sub>	6.4	3.0	0.8	7.4								
G	kWh/m <sup>2</sup>	Annual irradiation South, 45°											
T <sub>a,ave</sub>	°C	Annual average outdoor air temperature											
T <sub>c,ave</sub>	°C	Annual average mains cold water temp.											
ΔT <sub>c</sub>	K	Seasonal variation of T <sub>c</sub>											
Th	45 °C	Desired hot water temperature (mixing valve temperature).											
<b>Max. operating press. - collector side</b>			250	kPa	<b>Max. operating press. - tank side</b>			1000	kPa				
<b>Testing Laboratory</b>					Solar & Energy Systems Laboratory, NCSR "DEMOKRITOS"								
<b>Website</b>					www.solar.demokritos.gr								
<b>Test report id. number</b>					6075DE2, 6076DE2, 6075F1								
<b>Date of test report</b>					2015-12-03, 2015-12-03, 2015-10-20								
<b>Test method</b>					ISO 9459-5 (DST)								
<b>Comments of test lab</b>													
N.C.S.R. "DEMOKRITOS" SOLAR ENERGY LABORATORY Tel: +210 6503815 - Fax: +210 6504592 P.O. BOX 60037, 15310 Ag. Paraskevi, Greece													

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