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European Product Registry for Energy Labelling (EPREL)

Space Heaters (Solar device)

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1.1. Document History

Version	Date	Comment
1.00	20/07/2018	Draft Document created by Oscar Miralles (OM)

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1.2. Bibliography

- [1] EPREL, *Bussiness Glossary*, 2016.
- [2] EPREL, *COMMISSION DELEGATED REGULATION (EU) No 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temp.*
- [3] EPREL, XML Exchange Model, 2018.

1.3. Abbreviations and Glossary

See document "EPREL – Business Glossary" [1]

2. INTRODUCTION AND PURPOSE

This document is a summary of all that is necessary for the EPREL to generate the UI form (list of fields and mock-up screenshot) for each product group, to generate the labels and to generate the product information sheet.

3. SPACE HEATERS (SOLAR DEVICE)

COMMISSION DELEGATED REGULATION (EU) No 811/2013 of 18 February 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to the energy labelling of space heaters, combination heaters, packages of space heater, temperature control and solar device and packages of combination heater, temperature control and solar device [2].

These product group concerns 4 types of products "Space heaters and Combination heaters", "temperature control", "solar device", "Packages of space heater, temperature control and solar device; and Packages of combination heater, temperature control and solar device". They will have separate Product Information Sheets.

This document is intended only for "Solar device".

3.1. Fields/Exchange model

List of fields extracted from the Regulation mentioned above and their correspondence with the fields in Data Exchange Model [3] class "SolarDevice". The column "Item" is a reference to the field as defined in the Annex IV "Product fiche"; the name of the field, the type, if mandatory, a short description how it's filled or the units used, and field in the data exchange model.

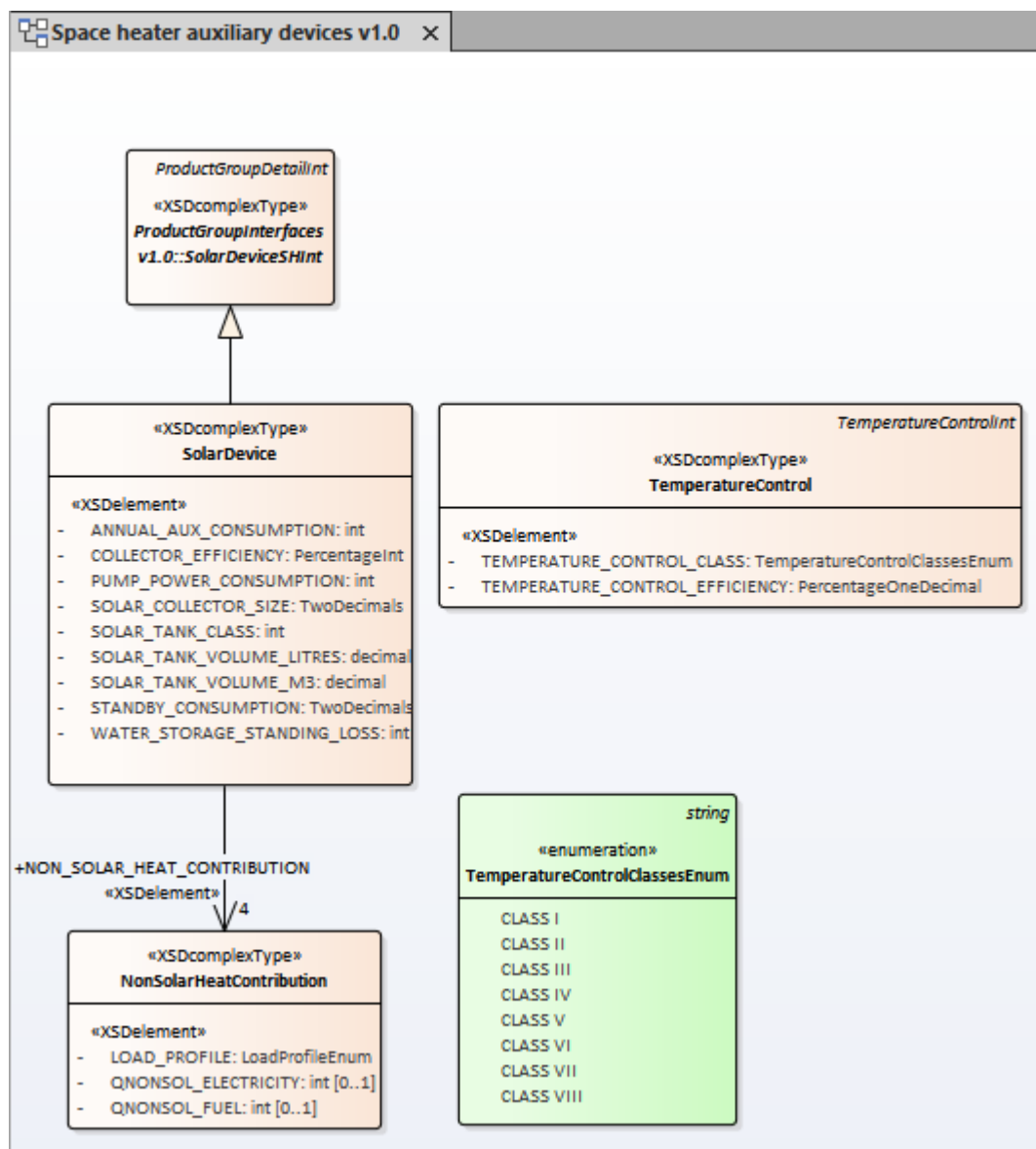


Figure 1 Exchange model

Item	Field	Type	Mandatory	Description	Exchange model
4.1(a)	Supplier's name or trademark	Text	TRUE		
4.1(b)	Supplier's model identifier	Text	TRUE		
4.1(c)	Solar collector aperture area	Number (2 decimals)	TRUE	m2	SOLAR_COLLECTOR_SIZE
4.1(d)	Solar Collector efficiency	Number (No decimals)	TRUE	%	COLLECTOR_EFFICIENCY

Item	Field	Type	Mandatory	Description	Exchange model
4.1(e)	Energy efficiency class of the solar hot water storage tank	List	TRUE	List of classes from Point 3 of Annex II: A+ -> G	SOLAR_TANK_CLASS
4.1(f)	Standing loss of the solar hot water storage tank	Number (No decimals)	TRUE	W	WATER_STORAGE_STANDING_LOSS
4.1(g)	Storage volume of the solar hot water storage tank (Litters)	Number (No decimals)	TRUE	Litters	SOLAR_TANK_VOLUME_LITRES
	Storage volume of the solar hot water storage tank (m3)	Number (No decimals)	TRUE	m3	SOLAR_TANK_VOLUME_M3
4.1(h)	For the load profiles M, L, XL and XXL (all profiles need to be filled)				
	Load profile	List	TRUE	M, L, XL, XXL	LOAD_PROFILE
	Annual non-solar heat contribution (Electricity)	Number (No decimals)	FALSE	kWh	QNONSOL_ELECTRICITY
	Annual non-solar heat contribution (Fuel)	Number (No decimals)	FALSE	GCV	QNONSOL_FUEL
4.1(i)	Pump power consumption	Number (No decimals)	TRUE	W	PUMP_POWER_CONSUMPTION
4.1(j)	Standby power consumption	Number (2 decimals)	TRUE	W	STANDBY_CONSUMPTION
4.1(k)	Annual auxiliary electricity consumption	Number (No decimals)	TRUE	kWh	ANNUAL_AUX_CONSUMPTION

3.2. Mock-up

These are the mock-up screenshots of how the UI form will look like for the supplier to enter the model information manually.

A Web Page

http://

English (minutes) MOVIE SPD 2.001

European Commission EPREL Compliance website

Space heaters (Temperature control)

Delegated Regulation 811/2013 EPREL Registration Number 8564125144 Version 3 Model identifier Supplier name/Trademark Status Incomplete

Navigation

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Actions

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General information

Date of placement on the market / /

Date of end of placement on the market / /

Solar collector aperture area (m2) 65.12

Solar Collector efficiency (%) 20

Energy efficiency class of the solar hot water storage tank A+

Storage volume of the solar hot water storage tank (Liters) 20

Storage volume of the solar hot water storage tank (m3) 20

Add profile

Profiles

Load profile M Delete profile

Annual non-solar heat contribution (Electricity) (kWh) 20

Annual non-solar heat contribution (Fuel) (GCV) 20

Pump power consumption (W) 20

Standby power consumption (W) 20.12

Annual auxiliary electricity consumption (kWh) 20

i If you choose to allow EPREL to generate the labels for this model, you are accepting that the generated label is correct in format and content. Before accepting it, we recommend to generate the label to preview the output and verify them. If you upload a label manually it will be ignored and the generated used in Public Site.

☐ I accept the labels generated by EPREL for this model

Save

Figure 2 Mock-up

3.3. Labels

THERE ARE NO LABELS FOR THIS PRODUCT GROUP

3.4. Product Information Sheet

This is a template of the product information sheet using the fields from the Annex IV “Product fiche”.

Product Information Sheet	
Delegated Regulation (EU)	811/2013
Supplier name or trademark	[Supplier name or trademark]
Model identifier	[Model identifier]
Solar collector aperture area	[Solar collector aperture area] m2
Solar Collector efficiency	[Solar Collector efficiency] %
Energy efficiency class of the solar hot water storage tank	[Energy efficiency class of the solar hot water storage tank]
Standing loss of the solar hot water storage tank	[Standing loss of the solar hot water storage tank] (W)
Storage volume of the solar hot water storage tank (Liters)	[Storage volume of the solar hot water storage tank] (Liters)

Storage volume of the solar hot water storage tank (m3)	[Storage volume of the solar hot water storage tank] (m3)
<i>(Repeat this section with the next 2 fields for the profiles declared)</i>	
Profile: [Load profile]	
Annual non-solar heat contribution (Electricity)	[Annual non-solar heat contribution (Electricity)] (kWh)
Annual non-solar heat contribution (Fuel)	[Annual non-solar heat contribution (Fuel)] (GCV)
<i>(End profile section)</i>	
Pump power consumption	[Pump power consumption] (W)
Standby power consumption	[Standby power consumption] (W)
Annual auxiliary electricity consumption	[Annual auxiliary electricity consumption] (kWh)