

EXCESS SOLAR ENERGY MODULE

Technical datasheet Nr 43

The excess solar energy module avoids the occurrence of stagnation in the solar system caused by a low use of solar energy produced. It prevents premature wear of products and it avoids the degradation of the transfer fluid. It is used in cases of yearly variable energy consumption with reduced energy consumption during certain periods.

Like other safety devices, it protects the solar system and it extends its service life.

The excess solar energy module is controlled by a solar controller LACAZE ENERGIES whoses parameters are sets by our technical team before delivery.

• MODULE COMPOSITION:

- 1 or up to 3 solar dissipator(s) (depending of the module)
- 1 high efficiency solar circulator pump STRATOS
- 1 set of 2 union fittings (except for flange version)
- 2 solar gaskets (except for flange version)
- 1 or up to 3 automatic air vents with isolating valve (depending on the module)
- 1 non-return check valve in stainless steel

Module reference	Model	Number of dissipators	Dissipator reference	Circulator pump reference	Flat-plate collector**		Vacuum tube collector**	
					Thermal power (W)	Maximum area (m ² _{aperture})	Thermal power (W)	Maximum area (m ² _{absorber})
50070202212	A: 14-17kW Single-phase	1	50070100358	40030400509	13 500	21	16 800	26
50070202213	B: 30-35kW Single-phase	1	50070100359	40030400510	30 200	46	29 300	54
50070202214	C: 54-64kW Single-phase	1	50070100360	40030400510	53 800	83	-	-
50070202215	C+: 54-64kW Mono	1	50070100360	40030400510	-	-	63 900	98
50070202216	D: 92-106kW Three-phase	1	50070100696	40030410011	92 300	142	106 200	163
50070202217	E: 185-212kW Three-phase	2	50070100696	40030410011	184 600	160 (284*)	212 400	177
50070202218	E+: 185-212kW Three-phase	2	50070100696	40030410513	184 600	(284*)	212 400	326
50070202219	F: 277-319kW Three-phase	3	50070100696	40030410513	276 900	(426*)	318 600	354 (490*)

* after checking the circulator pump - ** see the assumptions described in the data sheet of the solar dissipator

Note: module is delivered unassembled, contactors and motor protections are not supplied

• WORKING PRINCIPLE:

