


**RIVER**
Since 1961**SOLARIS**
ART. 570
ART. 549A24S

EGGTECH® ET SOLARIS® SYSTEM

The eco-friendly, energy-saving solution from EGGTECH® by River Systems

EGGTECH® ET SOLARIS is an integrated, high-tech system designed by the engineers of the River Systems Research and Development Department. It consists of a control unit that allows the specific incubator, art. 549A24S, to operate connected to various energy sources: not only batteries and mains, but also and above all solar panels. It is a completely self-sufficient system from the point of view of energy: through the integration of three different energy sources, EGGTECH® ET SOLARIS is able to absorb solar energy during the day – thus reducing the consumption of electricity from the grid to a minimum – simultaneously recharging the batteries which will then provide the necessary power during the night, remaining active even in the event of a blackout. EGGTECH® ET SOLARIS is the ideal choice not only for all those who want to hatch their eggs in an environmentally friendly and nature-friendly way, but also and especially for those who live in areas where the electricity supply during the day is not perfectly constant.

CONTROL UNIT TECHNICAL DATA

	Code SOLARIS®	Barcode	Weight	Dimensions
	570	8068057261548	kg 3,52	29x22,5x15,5 cm

TECHNICAL FEATURES

- **Power supply:** 90-260 VAC
- **Input frequency:** 47-63 Hz
- **Output power:** 180 W
- **Degree of protection:** IP2X
- **Body:** plastic material
- **External wiring:** power cable for control unit, cables for connection to solar panel with CABUR KX04VM4060 female and CABUR KX04VM4060 male connection, battery connection cables with terminals and connection cable to the incubator.
- **Photovoltaic panel power:** max 360 W (max nominal voltage 24V)
- **ET49 dedicated incubator:** art. 549A24S
- **Voltage ET49:** 24 VDC
- **Maximum power ET49:** 170 Watt DC
- **Average daily consumption:** max. 2.3 kW/24 hours (ambient T°C +20)
- **Temperature range:** 30 °C to 40 °C
- **Degree of protection ET49:** IPX4
- **Body of ET49:** plastic material
- **External wiring ET49:** double-insulated two-pole power cables
- **Egg capacity:** 49 (196 small eggs)
- **N°. of batteries required:** 2 x 12V batteries of at least 45 Ah



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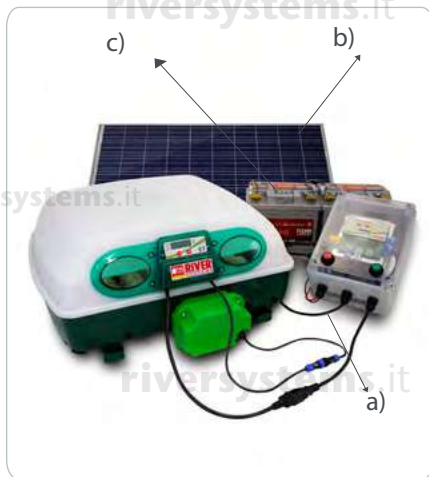
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SOLARIS® CONTROL UNIT

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The incubator connected to the SOLARIS® control unit can operate with three different energy sources, which can be combined as needed:

- a) Mains power supply
- b) Solar energy
- c) Car batteries

SOLARIS® must be positioned next to the incubator, at a temperature between +20°C and +25°C, and can operate in five modes:

- Batteries
- Batteries + solar panel
- Mains power supply
- Mains power supply + batteries
- Solar panel + mains power + batteries.

PRODUCT DETAILS



Solar panel connectors



Incubator connector 24 VDC

Connects the SOLARIS® control unit to the incubator.



Display

Allows to read the voltage of batteries and electricity. It turns off after a few seconds to minimise consumption.



Battery connectors

Connect the SOLARIS® control unit to the batteries.



Cooling fan

Allows to cool the control unit while it works.



Green and red buttons

Allow to choose the preferred power mode, or the full-autonomy function.

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