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TECHNICAL DATASHEET · AIRPORT · HELIPORT · POLARIS SOLAR CHARGING

Solar Panel with Mounting System

EcoSolaris code **ECO-AL-2963** | Ordering code **AL-141-AX-40** | **Made in Romania** Manufactured in the EU





Solar panel with mounting system for charging POLARIS portable lights in the field. The 40 W version is intended for Polaris V1 lights and the 20 W version for Polaris V2.

ORDERING CODE	**AL–141–AX-40**
PANEL FOR POLARIS V1	**AL-141-AX, 40 W (optional 20 W)**
PANEL FOR POLARIS V2	**AL-163-AX, 20 W (optional 10 W)**
CELLS	**monocrystalline or polycrystalline silicon**

Price on request | EcoSolaris technical support · Dubai

Technical specifications

Ordering code	AL–141–AX-40
Panel for Polaris V1	AL-141-AX, 40 W (optional 20 W)
Panel for Polaris V2	AL-163-AX, 20 W (optional 10 W)
Cells	monocrystalline or polycrystalline silicon
40 W panel dimensions (Polaris V1)	540 × 510 × 85 mm
20 W panel dimensions (Polaris V2)	435 × 356 × 120 mm
Operating temperature	-40 °C to +85 °C
Mounting	compatible with the frangible support of all Polaris lights
Max power	40 W (Polaris V1), 20 W (Polaris V2)

Features

- Solar charging without manual intervention
- Year-round autonomous solution combined with radio control
- Power capacity can be customised on request
- Mounts on the frangible support of Polaris lights

Materials and construction

- Monocrystalline or polycrystalline silicon solar cells

Configuration options

- Polaris V1: 40 W or 20 W (AL-141-AX)
- Polaris V2: 20 W or 10 W (AL-163-AX)
- Mono- or polycrystalline cells

Ordering code structure

`AL - 141 - AX - 40W`

AL	Series indicator (Airfield Lighting)

141	Product indicator (163 for Polaris V2)
AX	Product type (accessory)
40W	Panel power: 40 W, optional 20 W (Polaris V1); 20 W, optional 10 W (Polaris V2)

Applications

Remote off-grid airfields **Permanent or semi-permanent heliports** **Emergency lighting setups** **Extended operations with POLARIS lights**