



UC-400W High-Efficiency Foldable Solar Panel

Industrial Grade | Professional OEM Solution

Product Overview

The **UC-400** is a high-performance, portable solar solution designed for high-capacity power stations and off-grid energy systems. Engineered with **Grade A Monocrystalline cells** and advanced **vacuum lamination**, it offers superior durability and energy conversion in the most demanding environments.

Key Technical Highlights

- **Durable Laminated Surface:** with enhanced weather resistance, reinforced backing structure for improved durability
- **Fiberglass Backboard:** Enhanced structural rigidity to prevent cell micro-cracks during transport.
- **High Conversion Efficiency:** Up to **23%** cell efficiency for maximum power in limited space.
- **Rugged Portability:** Integrated heavy-duty handle and adjustable kickstands for 1-minute setup.

Applications:

- Portable power stations
- Off-grid systems
- Emergency backup
- Outdoor / RV / marine use



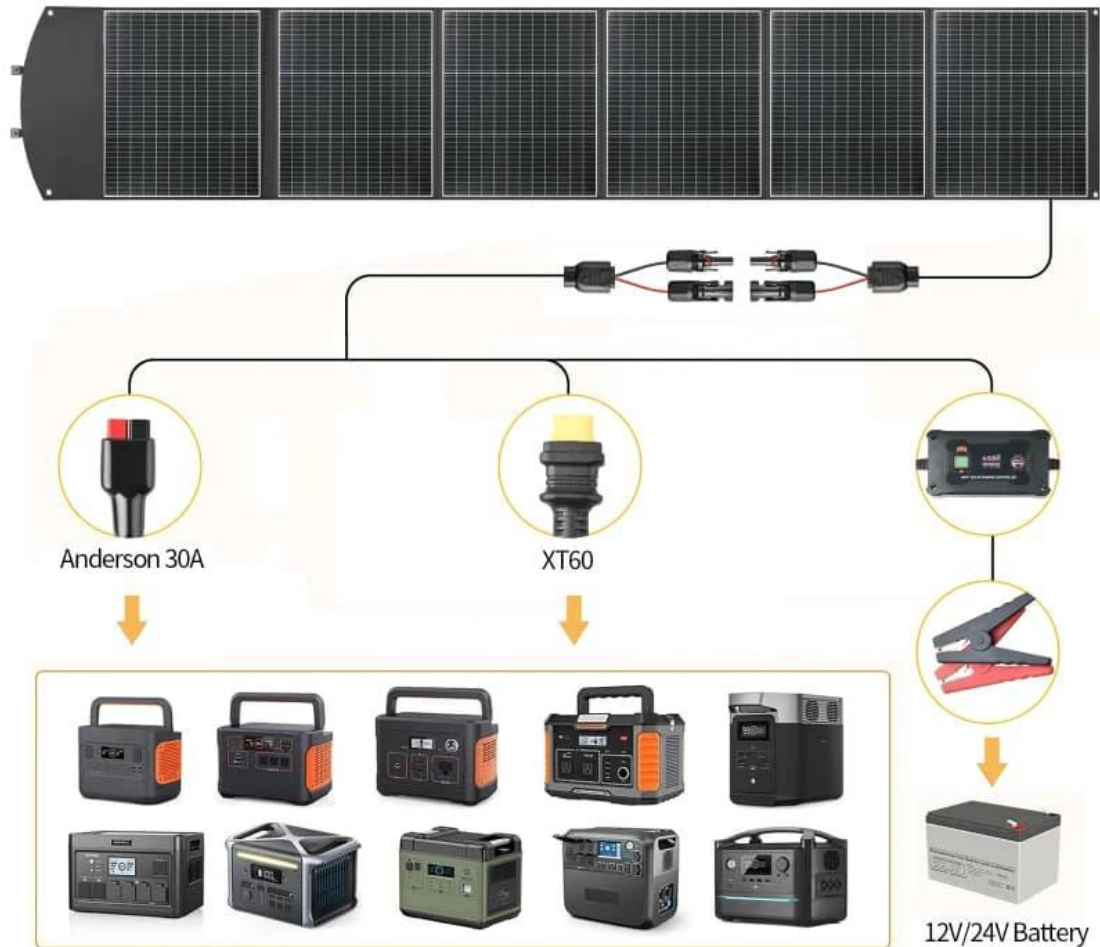
Electrical Specifications (STC)

Parameter	Value
Model Number	UC-400
Peak Power (Pmax)	400W
Cell Efficiency	≥23%
Max Power Voltage (Vmp)	40.0V
Max Power Current (Imp)	10.0A
Open Circuit Voltage (Voc)	48.0V
Short Circuit Current (Isc)	10.6A
Power Tolerance	±3%

Mechanical Data

Feature	Details
Solar Cell Type	Monocrystalline Silicon (Grade A)
Lamination Type	CPC / EVA / Monocrystalline Solar Cell / Fabric
Folded Dimensions	635 x 540 x 50 mm (25.0 x 21.2 x 1.9 in)
Unfolded Dimensions	2390 x 635 x 25 mm (94.1 x 25.0 x 1.0 in)
Net Weight	9.2 kg (20.3 lbs)
Waterproof Rating	IP67
Output Connectors	MC4 / Anderson / XT60 (Optional)

WIDE COMPATIBILITY



What's in the Box?

1. **UC-400**400W Foldable Solar Panel
2. Protective Carrying Case (Integrated)
3. User Manual
4. **Optional: Custom Adapter Kit (MC4,XT60, Anderson, DC7909)**

Quality Assurance & Warranty

- **Quality Control:** Standard production QC procedures applied
- **Certifications:** Available upon request (CE, RoHS, FCC)
- **Warranty:** 2-Year Limited Warranty on materials and workmanship.

Contact for OEM/ Wholesale

Sola-E Technology

Website: <https://sola-e.us/>

Email: info@sola-e.us

Address:

4F Building 1, Tongyuan Science Park, No. 1 Qiaojiao Middle Road, Tangxia Town,

Dongguan City, China

523710