

# EcoFlow OCEAN Pro

## Solar Battery System

The EcoFlow OCEAN Pro is a flexible, smart, and powerful residential solar battery system designed to provide full resilience against grid failure and electricity price fluctuations, ultimately enabling users to break free from the grid.

More than just a backup, OCEAN Pro maximizes solar usage with up to 40kW solar input and provides continuous power to your home with up to 24kW AC output, whether on-grid or off-grid. It gives total energy control through seamless integration with solar, grid, and gas generators, delivering AI-driven savings and unmatched safety.



### Unlimited Backup Supply

- Industry top 40kW solar input
- 24kW off-grid AC output power
- 205A LRA supported
- Gas generator compatible



### AI-Driven Bill Savings

- Personalized bill savings recommendations
- Smart home integration with device-level energy control



### Install House of Any Size in Any Area

- IP67 rated
- 290V grid compatibility
- Operates -4F to 140°F
- Withstands 2.6 feet of water



### Exceptional Safety and Reliability

- Cell-level temperature monitoring
- 360° ceramic aerogel insulation
- Automotive-grade anti-explosion valve

## Complete Product Datasheets

Key Specifications Overview	Normal Grid Voltage(Input & Output)	120/240V AC
	Maximum Output power	24 KVA
	Grid Type	Split phase
	Frequency	60Hz
	Overcurrent Protection Device	Configurable up to 125A (24kW)
	Maximum Continuous Charge Current / Power (One battery)	20.8 A AC/5kW
	Maximum Continuous Charge Current / Power	100 A AC/24kW
	Solar to Battery to Home/Grid Efficiency	90%
	Solar to Home/Grid Efficiency	98%
	Battery Scalability	Up to 8 units supported (80KWh)
	Supported Islanding Devices	EcoFlow OCEAN Smart Electrical Panel 40, EcoFlow OCEAN Meter Backup Switch
	Connectivity	Wi-Fi (2.4Ghz/5Ghz), Cellular (LTE/4G)
	Hardware Interface	Dry contact relay. Rapid Shutdown (RSD) certified switch to AP system
	Software Interface	EcoFlow APP
	Load Start Capability(0.5s)	205A LRA

OCEAN Pro Inverter Specifications	Maximum Solar STC Input	40kW
	Withstand Voltage	600V DC
	PC DC Input Voltage Range	60~550V DC
	PV DC MPPT Voltage Range	80~500V DC
	MPPTs	8 (5kW per channel)
	Maximum Current per MPPT (Imp )	16A
	Maximum Short Circuit Current per MPPT (Isc )	20A
	Heights/Inch	43.3
	Widths/Inch	17.3
	Depths/Inch	10.3
	Weights/lbs	152
OCEAN Pro Battery Specifications	Nominal Battery Energy (DC)	10kWh
	Maximum Continuous Discharge Power (DC)	10kW
	Maximum Continuous Charge Power (DC)	5kW
	Power Scalability (Per inverter)	8 units max
	Heights/Inch	45.3
	Widths/Inch	17.3
	Depths/Inch	10.8
	Weights/lbs	254

Compliance Information	Certifications	<b>Inverter:</b> UL 1741, UL 9540, UL 3741, UL 3141,UL 1741 SA, UL 1741 SB, UL 1699B, UL 1998, CSA C22.2 No. 0.8, CSA C22.2 No. 107.1, CSA C22.2 No. 330, CSA 22.3 No. 9, IEEE 1547, IEEE 1547A, IEEE 1547.1, CA Rule No.21, HECO SRD 2.0, PREPA <b>Battery:</b> UL 9540, UL 9540A, UL 9540B, UL 1973, UN 38.3, ISTA-3A
	Grid Connection	United States
	Emissions	FCC Part 15 Class B
	Environmental	TSCA, CA 65
	Seismic	AC156, IEEE 693-2005 (high)
	Fire Safety & Protection	Meets the unit level performance criteria of UL 9540A and UL9540B
Environmental Specifications	Operating Temperature	-20°C to 60°C (-4°F to 140°F) Not de-rated under 45°C (113°F).
	Operating Humidity(RH)	Up to 100%, condensing
	Storage Temperature	-20°C to 30°C (-4°F to 86°F), up to 95% RH, noncondensing, State of Energy (SOE): 25% initial
	Maximum Elevation	3000m(9843 ft)
	Environment	Indoor and outdoor rated
	Enclosure Rating	NEMA 3R
	Ingress Protection (IP) Rating	IP67 (Battery & Power Electronics), IP55 (Wiring Compartment)
	Pollution Degree	PD3
	Operating Noise@1m	< 50 db(A) typical , < 62 db(A) maximum