

OCEAN Pro Solar Battery System

Complete Product Datasheets

System Technical Specifications	Nominal Grid Voltage (Input & Output)	120/240V AC (split phase); 208V AC (3 phase)
	Grid Type	Split phase
	Frequency	60Hz
	Nominal Output Power (AC)	11.5kW 24.0kW
	Maximum Apparent Power	11.5kVA 24.0kVA
	Maximum Continuous Current	Configurable up to 100A AC/24kW
	Overcurrent Protection Device	60A 125A
	Maximum Continuous Charge Current / Power	100A AC/24kW
	Solar to Battery to Home / Grid Efficiency	89%
	Solar to Home / Grid Efficiency	97.5%
	Power 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 Mobile APP
	Load Start Capability (0.5s)	205A LRA
Solar Technical Specifications	Power Scalability	Up to 2 inverter units supported
	Type of Couple	AC coupled and DC coupled
	Maximum Solar STC Input	40kW
	Withstand Voltage	600V DC
	PC DC Input Voltage Range	60~550V DC
	PV DC MPPT Voltage Range	60~480V DC
	MPPTs	8 (5kW per channel)
	Maximum Current per MPPT (Imp)	16A
	Maximum Short Circuit Current per MPPT (Isc)	20A
Battery Technical Specifications	Nominal Battery Energy (DC)	10kWh DC
	Voltage Range	380~550V DC
	Maximum Continuous Current	Total 60A (26.32A Maximum per unit)
	Maximum Continuous Discharge Power (DC)	24kW (10kW DC per unit)
	Maximum Continuous Charge Power (DC)	24kW (5kW DC per unit)
	Power Scalability	Up to 8 battery units supported by one inverter

Compliance Information	Certifications	System: UL9540 Inverter: UL 1741, UL 3741, UL 3141, UL 1741 SA, UL 1741 SB, UL 1699B, UL 1998, IEEE 1547, IEEE 1547A, IEEE 1547.1, CA Rule No.21, HECO SRD 2.0, PREPA Battery: UL 9540A, UL 9540B, UL 1973, UN 38.3, ISTA-3A
	Grid Connection	United States
	Emissions	FCC Part 15B, FCC Part 15C
	Environmental	TSCA, California Proposition 65
	Seismic	AC156, IEEE 693-2005 (high)
	Fire Testing	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 (9843ft)
	Environment	Indoor and outdoor rated
	Enclosure Rating	NEMA 3R
	Ingress Protection (IP) Rating	IP67 (Battery & Power Electronics) IP55 (Battery Wiring Compartment) IPX4 (Inverter Wiring Compartment)
	Pollution Degree	PD3
	Operating Noise@1m	< 45 db(A) typical , < 60 db(A) maximum
	Mounting Options	Inverter: Wall mount , Battery: Floor or Wall mount

Mechanical Specifications	Inverter	
	Heights/inch	1100mm/43.3in
	Widths/inch	527mm/17.3in
	Depths/inch	216mm/10.3in
	Weights/lbs	66.5kg/146.6lbs (Without cover. Inverter Cover: 3kg/6.6lbs)
	Battery	
	Heights/inch	1150mm/45.3in
	Widths/inch	439mm 17.3in
	Depths/inch	274mm/10.8in
	Weights/lbs	111.5kg/245.8lbs (Without cover. Battery Cover: 3.7kg/8.15lbs)