ECOFLOW

EcoFlow OCEAN Smart Electrical Panel

The EcoFlow OCEAN Smart Electrical Panel features up to 40 smart circuits for real-time home energy management. Paired with the OCEAN Pro solar battery, it offers seamless UPS-level backup power and optional standby generator integration, extending backup duration and optimizing solar use to cut costs.

Electrical Performance	Grid Input Voltage System	Rated Voltage: 120/240V, split-phase (L1/L2 phase difference 180°), 60Hz
	Grid Voltage Range	170V-295V
	Grid Frequency Range	57Hz-63Hz
	Grid Input Rated Range	200A-breaker, 160A continuous current
	Branch Rated Current	100A
	Generator Voltage System	Type: Standby generator Voltage: 240V, split-phase Frequency: 60Hz
	Generator Rated Current	125A-breaker, 100A continuous current
	Branch Rated Current	125A-breaker, 100A continuous current rating
	Busbar Current	Max 325A, 260A continuous current rating
	Standby Power Consumption	≤5w
	Communication Methods	Bluetooth/Wi-Fi/WAN/CAN/RS485/Cellular (4G-optional)
	PV Compatibility	Supports AC-coupled PV input
	Backup Switching Time	≤10ms
	Warranty Period	15 years

Environmental	Operating and Storage Temperature	-22°F to 140°F (-30℃ to 60℃)
	Operating Humidity (RH)	100% (condensation allowed)
	Maximum Elevation	9842 ft (3000 m)
	Mounting Style	Wall mount or flush mount
	Environment	Indoor, outdoor
	Noise	≤40dB
	Protection Rating	NEMA 3R

Structural	Dimensions (L x W x H)	45 x 7.2 x 14.3 inches (1150 x 185 x 365 mm)
	Weight	88 lbs (40 kg)

Compliance Information	Safety	System: UL9540 Panel: UL67, UL916, UL869A, UL1741, UL1741 [PCS]
	Emissions	FCC Part 15B, FCC Part 15C
	Environmental	California Proposition 65, TSCA

Ecosystem Interfaces	Communication Expansion Ports	Reserved RJ45 port (with 12V auxiliary power)
	Compatibility with EcoFlow Products	EcoFlow OCEAN Pro, compatible with 5+8 energy storage boxes, EcoFlow PowerPulse EV Charger(11.5kW)