EcoFlow OCEAN Smart Electrical Panel 40

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	Product Name	EcoFlow OCEAN Smart Electrical Panel 40
	Model number	EF-SHP-40-NS
	Grid Voltage System	120/240V~(Split phase)/208V~, single-phase(L-L), 120°
	Grid Voltage Range	170V-295V
	Grid Frequency Range	57-63Hz
	Max. Grid Continous Current	160A
	Max. Grid OCPD	200A
	Max. Short-Circuit Current Rating	22kA
	Number of Load Branch Circuit	40 (with 40 smart branch circuits)
	Branch Rated Current	125A-breaker, 100A continuous current rating (OCPD 125A) (* Support Homeline 2 pole 200A Breaker, HOM2200BB)
	Busbar Current	Max 325A, 260A continuous current rating
	Compatible Generator	120/240V~ (Split Phase), 60Hz
	Generator Voltage System	Type: Standby generator Voltage: 240V, split-phase Frequency: 60Hz
	Generator Rated Current	125A-breaker, 100A(OCPD125A)
	Standby Power Consumption	≤15w
	Communication Methods	Bluetooth/Wi-Fi/LAN/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°C to 60°C), derating above 122°F (50°C) ;
	Operating Humidity (RH)	Up to 100%, condensing
	Maximum Elevation	9842 ft (3000 m)
	Mounting Style	Wall mount, Flush mount
	Environment	Indoor use, Outdoor use
	Noise	≤40dB
	Protection Rating	NEMA 3R

Structural	Dimensions (L x W x H)	45.98 x 7.6 x 14.37 inches (1168 x 193 x 365 mm)
	Weight	72.8 lbs (33kg)

Compliance Information	Safety	UL 67, UL 869A, UL 916, UL 1741, UL3141, UL1008, CSA C22.2 No.29, CSA C22.2 No.107.1
	Emissions	FCC Part 15B (Class B), ICES-003 (Class B), FCC Part 15C, RSS-247
	Environmental	California Proposition 65, TSCA

Ecosystem Interfaces	Communication Expansion Ports	Reserved RJ45 port (with 12V auxiliary power)
	Compatibility with EcoFlow Products	EcoFlow OCEAN Series Inverter, EcoFlow OCEAN EV Charger (11.5kW), EcoFlow Smart Electrical Panel
	Supported circuit breaker	Main circuit breaker: Square D (QOM2) Branch circuit breaker: Eaton, Square D, Siemens, ABB (GE)*

*[-22°F~140°F(-30°C~60°C)] [derating above 104°F(40°C)] evaluated by UL 1741

*[-22°F~104°F(-30°C~40°C)] evaluated by UL 67, UL 916

*Supported branch circuit breaker series: Eaton: BR, BD, BQ, BQC, GFTCB, GFEP; Square D: HOM, HOMT, HOM-CAFI, HOM-GFI, HOM-EPD, HOM-DF; Siemens: QP, QT, QAF2, QAF, CAFCI, QPF, QPF2, QE, QFGA2; GE: THQL, THHQL; GFCI & AFCI breakers from Eaton, Siemens, and GE support pigtail versions only. For specific catalog numbers, please refer to the Installation Manual.