

# 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 Continuous 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)<br>(* 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<br>Voltage: 240V, split-phase<br>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)<br>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