

# EcoFlow OCEAN Smart Electrical Panel 8

The OCEAN Smart Electrical Panel intelligently manages up to 8 critical circuits in real time, while supporting an additional 32 standard circuits. Paired with the OCEAN Pro solar battery, it delivers seamless backup power with UPS-level switching, generator compatibility, and solar optimization—maximizing energy savings and reliability.

|                |              |  |
|----------------|--------------|--|
| <b>Product</b> | Product Name | EcoFlow OCEAN Smart Electrical Panel 8 |
|                | Model number | EF-SHP-8                               |

|                               |                                   |   |
|-------------------------------|-----------------------------------|---|
| <b>Electrical Performance</b> | Grid Voltage System               | 120/240V~ (Split phase)<br>208Y/120V~, 3W (from 3Ø 4W)  |
|                               | Grid Voltage Range                | 170V-295V   |
|                               | Grid Frequency Range              | 57Hz-63Hz   |
|                               | Max. Grid Continuous Current      | 160A  |
|                               | Max. Grid OCPD                    | 200A  |
|                               | Max. Short-Circuit Current Rating | 22kA rms  |
|                               | Number of Load Branch Circuit     | 40 (with 8 smart branch circuits)   |
|                               | Branch Rated Current              | 125A-breaker, 100A continuous current rating (OCPD 125A)<br>(Supports Homeline 2 pole 200A Breaker) |
|                               | Busbar Current                    | Max 262A, 210A 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 continuous current (OCPD 125A)   |
|                               | 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                          |   |

|                      |                                   |                                 |
|----------------------|-----------------------------------|---------------------------------|
| <b>Environmental</b> | Operating and Storage Temperature | -22°F to 140°F (-30°C to 60°C)* |
|                      | 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                         |

|                   |                        |  |
|-------------------|------------------------|--|
| <b>Structural</b> | Dimensions (L x W x H) | 45.28 x 7.64 x 14.3 inches (1150 x 194 x 365 mm) |
|                   | Weight                 | 88 lbs (40 kg)                                   |

|                               |               |   |
|-------------------------------|---------------|---|
| <b>Compliance Information</b> | Safety        | Panel: UL67, UL916, UL869A, UL1741, UL1741 [PCS]              |
|                               | Emissions     | FCC Part 15B, FCC Part 15C, FCC Part 15E<br>ICES-003, RSS-247 |
|                               | Environmental | California Proposition 65, TSCA                               |

|                             |                                     |   |
|-----------------------------|-------------------------------------|---|
| <b>Ecosystem Interfaces</b> | Communication Expansion Ports       | Reserved RJ45 port (with 12V auxiliary power)   |
|                             | Compatibility with EcoFlow Products | EcoFlow OCEAN Pro, Smart Inlet Box, EcoFlow OCEAN EV Charger (11.5kW), EcoFlow Smart Home Panel |

\*[-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