

EcoFlow OCEAN 2 LFP Battery

Technical parameters		EF OCEAN 2 LFP Battery 8kWh EF BD-8-S2A	EF OCEAN 2 LFP Battery 5kWh EF BD-5-S2
Performance	Battery Nominal Capacity(kWh)	8.03	5.02
	Battery Usable Capacity(kWh)	8.03	5.02
	Battery Cell Type	LiFePO ₄	LiFePO ₄
	Nominal Charging Power(kW)	4.1	2.5
	Nominal Discharging Power(kW)	4.1	3.4
	Maximum Discharging Power ¹ (kW)	6.4	4.08
	Nominal Voltage(V)	400 / 800	400 / 800
	Operating Voltage Range(V)	360-520 / 720-960	360-520 / 720-960
General	Dimension(WxDxH)(mm)	680 x 196 x 378	680 x 196 x 279
	Weight(kg)	67.5	46
	Installation	Floor Stand: A stack of up to 5 batteries Wall Mounted: A stack of up to 3 batteries	Floor Stand: A stack of up to 6 batteries Wall Mounted: A stack of up to 3 batteries
	Operating Temperature ² (℃)	-20- 55	-20- 55
	Storage Temperature(℃)	-25- 60	-25- 60
	Max. Operating Altitude ³ (m)	3000	3000
	Relative Humidity	0% ~100%	0% ~100%
	Cooling Method	Intelligent Air Cooling	Natural Cooling
	Ingress Protection Rating	IP66	IP66
	Anti-theft	Supported	Supported
	Battery Heating	Supported	Supported
	Communication method	CAN	CAN
	Country of Manufacture	China	China
	Protection	Over-charge/over-discharge protection, over-voltage/under-voltage protection, over-current protection, short-circuit protection, reverse-polarity protection, temperature protection, thermal-runaway protection, leakage-current protection, insulation protection, over-pressure protection, automatic power-off protection, emergency shutdown,Water Ingress Detection	Over-charge/over-discharge protection, over-voltage/under-voltage protection, over-current protection, short-circuit protection, reverse-polarity protection, temperature protection, thermal-runaway protection, leakage-current protection, insulation protection, over-pressure protection, automatic power-off protection, emergency shutdown
Compliance		IEC/EN 62619, IEC/EN 62040-1, IEC/EN 62477-1, ISO 13849-1, EN IEC 61000-6-1, EN IEC 61000-6-2, EN IEC 61000-6-3, EN IEC 61000-6-4, UN 38.3, SA TS 5398	IEC/EN 62619, IEC/EN 62040-1, IEC/EN 62477-1, ISO 13849-1, EN IEC 61000-6-1, EN IEC 61000-6-2, EN IEC 61000-6-3, EN IEC 61000-6-4, UN 38.3
1. Under laboratory conditions at an ambient and device temperature of 25℃ with OCEAN 2 Hybrid Inverter Three-Phase, the estimated discharge duration is approximately 20 minutes for the OCEAN 2 Battery 5kWh and 30 minutes for the OCEAN 2 Battery 8kWh based on their respective maximum discharge power outputs. 2. Power may be derated when the temperature exceeds 40℃. 3. Power may be derated above 2000 m.			