

EcoFlow PowerOcean LFP Battery Technical Parameters



Number of battery packs		LFP Battery x 1	LFP Battery x 2	LFP Battery x 3
Performance	Battery module capacity	5.1kWh	10.2kWh	15.3kWh
	Max. output power	3.3kW	6.6kW	9.9kW
	Max. input power	2.5kW	5kW	7.5kW
	Nominal voltage	800V		
	Operating voltage range	720-960V		
	Battery cell type	LFP		
Compliance	Certificates	IEC/EN62477, IEC/EN62619 (EN ISO 13849), UN 38.3		
General specification	Dimension (W*H*D)	680*612*183mm	680*1009*183mm	680*1406*183mm
	Power module weight	65.6kg	120.9kg	176.2kg
	Installation	Floor stand		
	Operating temperature	-20°C~50°C		
	Max. operating altitude	3000m		
	Cooling method	Natural convection		
	Relative humidity	0~100% RH		
	Protection level	IP65		

EcoFlow PowerOcean Hybrid Inverter Technical Parameters

Technical parameters		EF HD-P3-8K0-S1	EF HD-P3-10K-S1
Input (PV)	Maximum PV power	12 kW	14 kW
	Maximum input voltage	1000V DC	
	Operating voltage range	180~1000V DC	
	Rated input voltage	600V	
	Start voltage	180V	
	Maximum input current per MPPT	16A	
	Maximum short circuit current	24A	
	Number of MPPTs	2	
	OVC	II	
Input (Battery)	Maximum charging power	8kW	10kW
	Maximum discharging power	8kW	10kW
	Rated voltage	800V	
	Rated current	12.5A	
	Maximum battery capacity	45kWh	
Output (On-grid)	Grid connection	3W/N+PE	
	OVC	III	
	Rated output power	8kW	10kW
	Maximum apparent power	8kVA	10kVA
	Rated output voltage	220Va.c./380Va.c., 230Va.c./400Va.c., 3W/N+PE	
	Norminal output current	11.5A	14.4A
	Matchable grid frequency value	50/60Hz	
	Power Factor	0.8 leading - 0.8 lagging	
Output (Backup load)	Rated output power	8kW	10kW
	Rated output voltage	220Va.c./380Va.c., 230Va.c./400Va.c., 3W/N+PE	
	Maximum output current	17.3A	17.3A
	Nominal Output Current	11.5A	14.4A
	THD	≤3%	
Compliance *more available on request	Safety standard	IEC/EN62109-1, IEC/EN62109-2	
	Grid-tied standards	VDE-AR-N 4105, TOR Erzeuger Type A, EN 50549-1, EEA-NE7 - CH	
	Protective class	I	
General specification	Operating temperature range	-20°C~50°C	
	Operating humidity	0~100% RH	
	Maximum operating altitude	3000m	
	Weight	29.5kg	
	Dimensions	588*380*175mm	
	IP level	IP65	
	Self-consumption at night	<20W	
	Cooling method	Natural convection	
	Communication method	RS485 & CAN & Wi-Fi & WAN & 4G	