

EcoFlow PowerOcean Hybrid Inverter

The EcoFlow PowerOcean Hybrid Inverter enables high efficient solar energy usage and storage to achieve your home power independence. The 3-phase inverter is integrated with backup module, offering up to 10kW output to power pretty much every essential appliance in case of grid outage.



- 10kW 3-phase backup power
- Bypass circuit to secure stable power supply
- Multiple communication methods supported
- SG Ready interface supported
- All-in-one sleek design
- IP65 protection



Technical parameters		EF 6KTL-T1	EF 8KTL-T1	EF 10KTL-T1
Input (PV)	Maximum PV power	10kW	12kW	14kW
	Maximum input voltage	1000V d.c.		
	Operating voltage range	160~1000V d.c.		
	Rated input voltage	600V		
	Start voltage	160V		
	Maximum input current per MPPT	16A		
	Maximum short circuit current	24A		
	Number of MPPTs	2		
	OVC	II		
Input (Battery)	Maximum charging power	6kW	8kW	10kW
	Maximum discharging power	6kW	8kW	10kW
	Rated voltage	800V		
	Rated current	12.5A		
	Maximum battery capacity	45kWh		
Output (On-grid)	Grid connection	3L/N/PE		
	OVC	III		
	Rated output power	6kW	8kW	10kW
	Maximum apparent power	6kVA	8kVA	10kVA
	Rated output voltage	220Va.c./380Va.c., 230Va.c./400Va.c., 3W/N+PE		
	Maximum output current	9.1A	12.2A	15.2A
	Matchable grid frequency value	50/60Hz		
	Power Factor	0.8 leading - 0.8 lagging		
Output (Backup load)	Rated output power	6kW	8kW	10kW
	Rated output voltage	220Va.c./380Va.c., 230Va.c./400Va.c., 3W/N+PE		
	Maximum output current	13.7A	18.2A	22.8A
	Nominal Output Current	9.1A	12.2A	15.2A
	THD	<3%		
Compliance	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		
*more available on request				
General specification	Operating temperature range	-20°C~50°C		
	Operating humidity	0~100% RH		
	Maximum operating altitude	3000m		
	Weight	29.5kg		
	Dimensions	586*380*175mm		
	IP level	IP65		
	Self-consumption at night	<20W		
	Cooling method	Natural convection		
	Communication method	RS485 & CAN & Wi-Fi & LAN & 4G		