

Specification

Version	Description of change	Date	Author
V1.0	First edition	2021-12-08	Yongjun Tu

TYPE: Home energy storage system

MODEL: CPB10000 5KW10KWH V1.0

Battery Type LFP

Inverter: Off-Grid Inverter with Grid

DESIGN: Yongjun Tu

APPROVAL: Weining He

Shenzhen Coslight Power Technology Co., Ltd.

1、 Working Principle

UFox-X series is a split phase system, the output and AC input is the form of 120V/240V; it can connect with solar panels、 grid (or generator) 、 load, it built-in lithium battery 、 hybrid inverter and energy management system. UFox-X has four working modes: SOL(Solar first)、 UEI(Utility first)、 SBU(Solar-Battery-Utility)、 SUB (Solar-Utility -Battery) . These working modes are described refer to the setting part.

2、 Wiring diagram

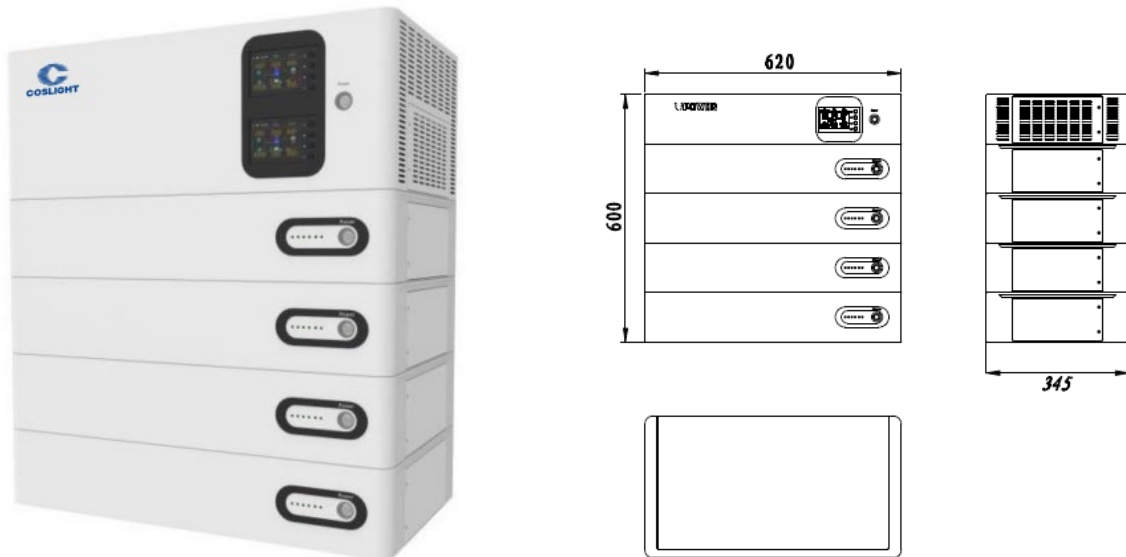


3、 Parameter List

Model	CPB10000 5KW10KWH V1.0	
Battery	Nominal Voltage	51.2V
	Voltage Range	45~57.6V
	Capacity	10.24KWH (2.5kWH*4)
	Max.discharge Rate	1C
	Max.charge Rate	1C
	Battery Type	Li-ion (LFP)
AC Output	Rated Power	5000W
	Surge Power	10000w
	Output Voltage	220/230/240Vac±3%
	Output Current	22A
	Rated Frequency	50/60Hz
	VTHD	< 3%

	Output Wave	Pure Sine Wave
	Output Type	Euro Round Socket×4+Terminal
	Max. Efficiency	93%
AC Input	AC Input Voltage Range	170~280Vac
	AC Input Frequency	50/60Hz
	Max AC Charge Current(Battery)	30A(0~60A Adjustable)
PV Input	Max. PV Power(Recommended)	6000W
	Max. PV Voltage	450V
	MPPT Range	120V~430V
	Max PV Charge Current(Battery)	100A
Operating Conditions	Operating Temperature	0~55°C
	Storage Temperature	-15°C~60°C
	Humidity	5%~95%
	Cooling Strategy	Fan
	Weight	Approx. 140KG
	Dimension [W x H x D, mm]	620W*345D*780mm
	Packing	wooden case
	Packing Dimension [W x H x D]	TBD
	IP class	IP20
	Communication	WIFI/RS485
	Warranty	3 years

4、Product Diagram



5、Product Packaging Diagram

