

# CF480100U1PC

## Product Introduction

CF480100U1PC Lithium battery is a High-tech product independently developed by Harbin Coslight. The battery is small in size and light in weight that has a long service life and supports fast charging. It adopts advanced intelligent BMS with protection functions such as overcharge, over discharge, over current, temperature, etc when configured with high voltage control box. The product has prominent advantages in the field of backup power supply in specific occasions.

## Product characteristic

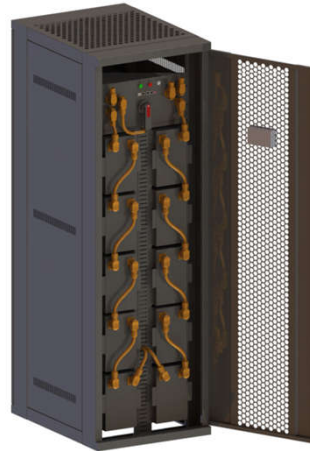
- Good temperature performance.
- High Discharge rate up to 2C
- Long life(3000 times @0.2C/1C, 80%DOD,25℃)
- Easy O&M, integrative BMU design.

## Cell LFP 100Ah

Cell Type	LFP	Prismatic
Capacity	100Ah	
Rated Voltage	3.2V	
Voltage Range	2.5V~3.7V	
Rated Charge	50A	
Rated Discharge	100A	
Maximum discharge	≤340A	
Working temperature	Charge: 0~45℃	
	Discharge: -20~50℃	
	Storage: -30~45℃	3 Months
Dimension	137mm*33mm*282 mm	W*D*H
Weight	2.35 kg	

## Battery Module CF1001P15S

Item	Connection	Definition	Remark
CAN1	RJ45	Socket 1	
CAN2	RJ45	Socket 2	
B+	DS-SB250	Output Positive	+
B-	DS-SB250	Output Negative	-



## Battery Module CF1001P15S

Item	Value	Remark
Combination	1P15S	100AH Cell
Energy	4.8 KWh	
Capacity	100Ah	
Rated Voltage	48V	
Voltage Range	40V~52.5V	
Standard Discharge	100A	1C
Maximum discharge	≤200A	
Working Temperature	Charge: 0~45℃	
	Discharge: -20~50℃	
Dimension	176mm*630mm*310mm	W*D*H
Cooling	Natural Cooling	
Communication Port	485/CAN	
BMU Function	V/T Sampling, cell equalization	
Weight	45±1 kg	
IP Class	IP20	

## System Specification

Item	Value	Remark
Model	CF480100U1PC	
Rated Voltage	480V	
Voltage Range	400V~525V	
Capacity	100Ah	
Energy	48KWh	
Rated Charge	20A	0.2C
Maximum Charge	50A	0.5C
Rated Discharge	100A	1C
Maximum discharge	≤200A	2C
Self discharge@25℃	<3%	90 days
Communication Port	RS485, CAN.	
Paralled Number	8	
Protection	OT,OC,SC.OV.UV Protection	
Dimension	600mmX800mmX2000mm	
Signal Rack Weight	550kg	
Cell	3.2V/100Ah	
Module	48V/100Ah (1P15S)	
System	480V/100Ah (1P150S)	