

Battery System Confirmation

C12460A Battery System

Document Number:

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C12460A Battery System

Type	Parameter
Product Name	Battery System
Product Model	C12460A
Product Specification	12.8V 460Ah 5.888kWh
Prepared by	Kevin
Examined by	POP
Approved by/	Chris
Customer confirmation/	

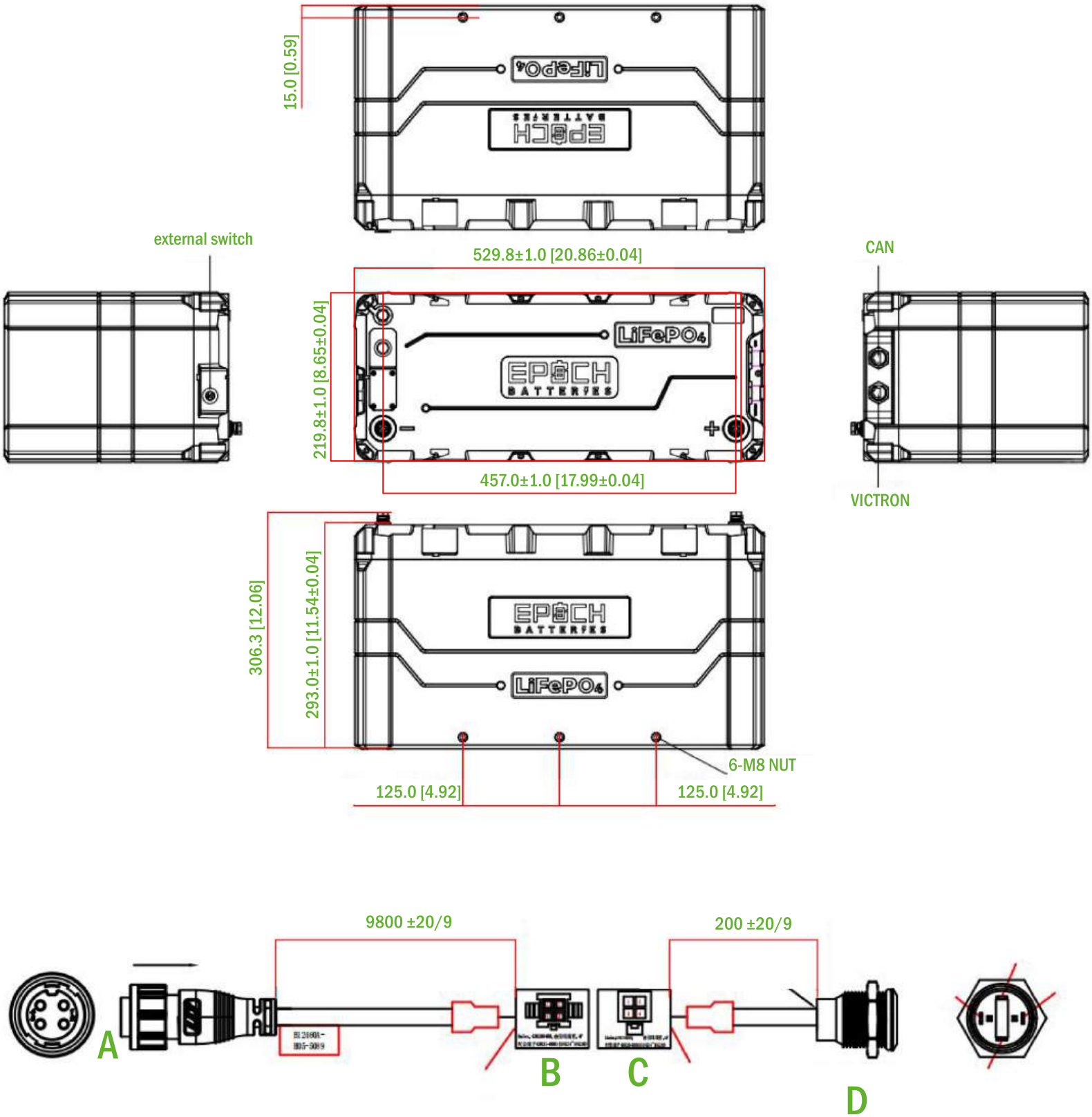
1. Product Overview

1.1. Technical specification

Item		Unit	Specifications	Remarks
Rated capacity		Ah	460Ah	Cell 230Ah
Configuration		-	4S2P	
Operating temperature	Charging working temperature	°C	0~55	
	Discharge working temperature	°C	-20~55	
Storage temperature	Short-term (within 1 month)	°C	-20~55	
	Long-term (within one year)	°C	0~35	
Rated voltage		V	12.8	Cell 3.2V
Maximum voltage		V	14.6	Cell 3.65V
Minimum voltage		V	10	Cell 2.5V
Standard capacity		kWh	5.888	@ 0.5C, 25°C
Weight		Kg	40±2	
Maximum discharge current (@30S, 25°C,SOC50%, BOL)		A	500	
Maximum charging current (@5S, 25°C,SOC 50% BOL)		A	400	
Maximum continuous discharge current (@25°C,SOC50%, BOL)		A	230	

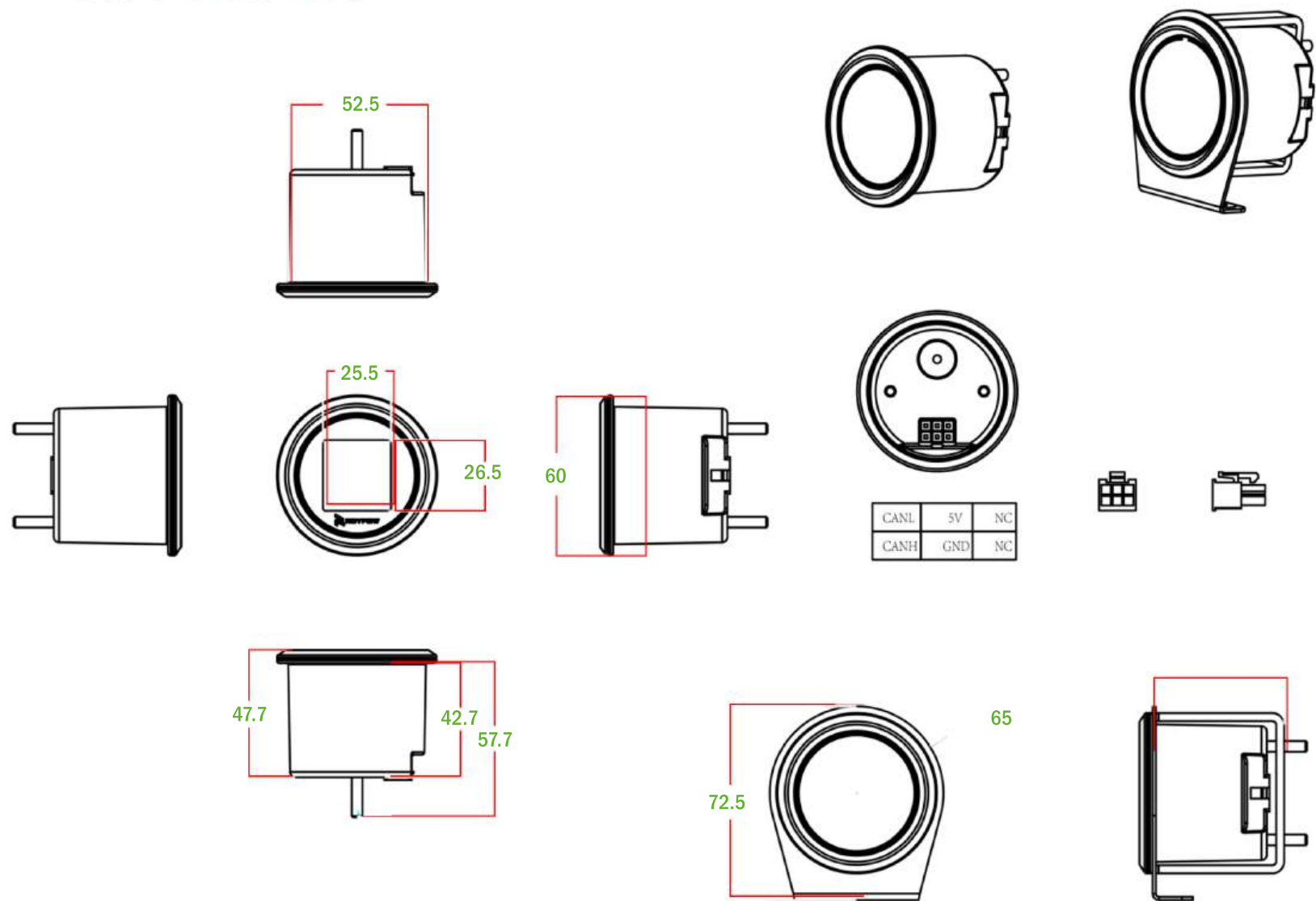
Continuous charging current (@25°C,SOC 50% BOL)	A	230	
Standard charge (@ 25°C)	A	Constant Current: ≤0.5C Constant Voltage: 3.60V End Condition (Cut off): ≥0.02C	
SOC status of battery system before shipment		SOC30%±3%	
Self-discharge rate (@SOC 100%,25°C,Loss/Month@BOL)	%	Max 3	
Safe reliability	-	GBT Certificate	Cell
Insulativity	MΩ	Min 20MΩ/1000VDC	@25°C±5°C, RH50%
Cooling mode	-	Natural (Passive) Convection	
Working range of SOC	%	0~ 100%	
Ingress protection	-	IP65	
Bluetooth function	-	4.0	
Attended mode		Supports 4 strings or 16 parallels	
Cycle life		>3500	@25°C, 0.5C charge, 1C discharge, DOD 70%(SOC 0~100%)
Remaining capacity at the end of life		EOL 70%	According to warranty period, driving pat tern, temp.profile,etc

1.2. Mechanical Interface



Extension Cable

Figure 1: System Tolerance



New Bluetooth SOC

Figure 2: System Tolerance

Basic Dimensions

Item	Size
Size of battery system	20.86x8.65x12.06 inch (529.8x219.8x306.3mm)

2. Requirements for Packaging

2.1. Schematic Diagram of Packaging

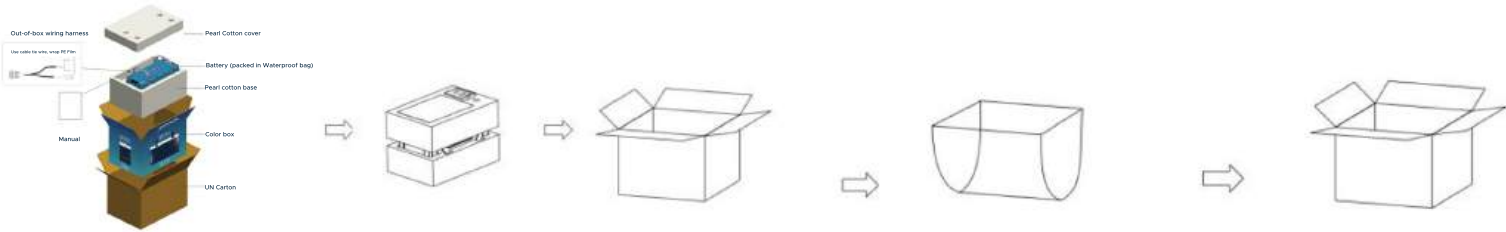


Figure 3. Schematic Diagram of Packaging

2.2. Packing List

Part Name	Part Number	Product Specification	Package Quantity
Battery system	C12460A	12.8V 460Ah 5.888kWh	1 pcs