

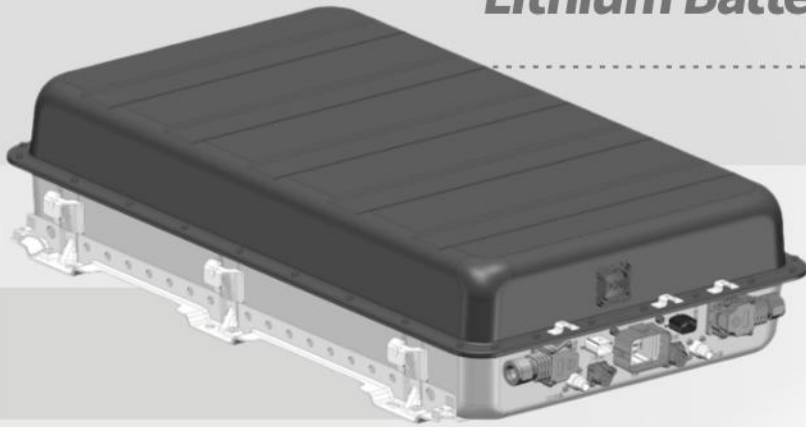
YOUR PROFESSIONAL LITHIUM BATTERY SOLUTION PROVIDER



**Lithium
Storage**

FLEXI PACK SERIES

Lithium Battery for Commercial Vehicles

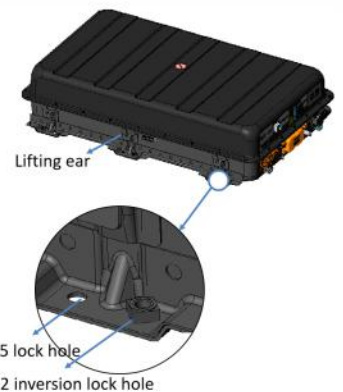
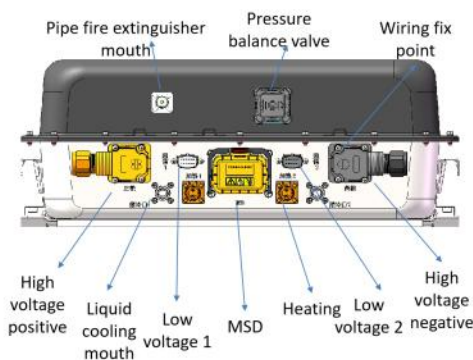
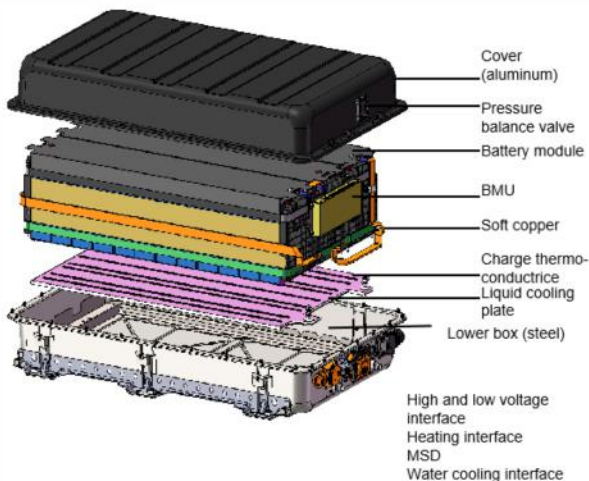


CHARACTERISTIC

Standard Pack C&D is our standard Flexi Pack design using prismatic lithium iron phosphate cells LFP205Ah, LFP230Ah, LFP280Ah, and LFP302Ah. The fixed dimension with multiple battery combinations with a smart PDU system is a multi-configurable powertrain option ideal for commercial vehicles, including electric trucks, buses, and heavy-duty mining vehicles.

ITEM	STANDARD PACK C				STANDARD PACK D			
Cell Model	LFP71173200 -280Ah	LFP71173204 -302Ah	LFP54173200 -205Ah	LFP54173204 -230Ah	LFP71173200 -280Ah	LFP71173204 -302Ah	LFP54173200 -205Ah	LFP54173204 -230Ah
Battery Grouping Mode	1P36S	1P36S	1P48S	1P48S	1P33S	1P33S	1P45S	1P45S
Rate Voltage (V)	115.2	115.2	153.6	153.6	105.6	105.6	144	144
Rate Capacity (Ah)	280	302	205	230	280	302	205	230
Rate Energy (kWh)	32.26	34.79	31.49	35.33	29.57	31.89	29.52	33.12
Weight (kg)	212	219	207	220	195	202	195	207
Energy Density (Wh/kg)	152.2	158.9	152.1	160.6	151.6	157.9	151.4	160.0
Thermal Management	Liquid cooling and electric heating							
Size (mm)	1070(L)*635(W)*249(H)±1%				1020(L)*635(W)*249(H)±1%			

FLEXI PACK STRUCTURE



Power Distributor Unit



Power distributor unit designed for EV. known as “electric vehicle high voltage power distributor box” ,Electric vehicle power distribution box”, "Electric vehicle power unit" and "Electric vehicle safety box", is an important part in EV.It supports function converting and power distribution to every systematic unit. Such as motor control unit, battery management system, charging system, heating system,etc. PDU can also provide short circuit protection, current leaking protection and IP protection.Battery lifespan is longer and maintenance cost of EV is reduced with this unit (Easy maintenance, convenient installation, space saving and reliable electric connection).

FUNCTIONAL MODULE

COMPONENT DESCRIPTION

Power distribution	Busbar component design, fast heat dissipation, high energy transmission efficiency
Power Distribution Protection	Protection with fuse,electric living parts separated with insulation material ,BMS
Power Distribution control	Power distribution control reaized by high voltage relay,it make energy conversion more reliability and safety
Current and voltage data collection	Collector, auxiliary equipment use more safety
Precharge	Power resistance, anti surge, pulse
Communication function	CAN communicate with bus and charger in real-time.
Insulation detection	Electric insulation detection, the leakage current can be cut off quickly
INTERFACE (OPTIONAL)	PARAMETER
Signal voltage	9~32V
Battery interface	250A
Charging interface	Slow charge (380V 25A)
Fast charging current	200A
Communication interface	to battery pack
Communication interface	to VCU and charger
MSD	350~500A
Motor interface	240A
Heating system interface	5~20A
Auxiliary interface	0~10A

PDU STRUCTURE

