

76V 105Ah 8kW-9kW
2C-3C EV-Hybrid Battery Pack
UL, CE, SGS-RoHS, RBRC, ISO and TS Certified
Custom Lithium LiFePO4 Cylindrical Battery Pack
Custom Built Cylindrical Li-ion LiPo Battery Pack
ECPC-76 105cyl pack



76V, 105Ah, 8kW-9kW 2C-3C EV-Hybrid UL, CE, SGS-RoHS, RBRC,
ISO, and TS Certified Lithium LiFePO4 Li-ion LiPo Custom Built
Rechargeable Battery Pack

Description

76V
105Ah 8kWh
2C-3C EV-Hybrid Battery Pack
UL, CE, SGS-RoHS, RBRC, ISO, and TS Certified
Custom Lithium LiFePO4 Cylindrical Battery
Pack
Custom Built Cylindrical Li-Ion LiPo Battery
Pack

Comes with Advanced BMS pre-installed!

- **Cooling fan**
- **DC/DC inverter**

- Max Continuous discharge amperage is 2C
- Max Peak discharge amperage is 3C for 1~10 seconds

Optional Charger

- Vented or Waterproof
- 91.25V, 21A peak output
- Will charger your pack in around 3 ½ hours from 80% depletion

Your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack combines cylindrical cells for higher voltage and capacity applications than those of a single cell. This permits your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack to have all the advantages of cylindrical cells with a voltage and capacity suitable for large scale applications.

Ah	105 (0.2C ₅ A)
MAX CONTINUOUS DISCHARGE AMPERAGE	2 C ₅ A - 210Ah
MAX PEAK DISCHARGE AMPERAGE	3 C ₅ A - 315Ah
STANDARD CHARGE	0.2C-21A
FAST CHARGE	1C-105A
DISCHARGE CUT-OFF VOLTAGE (2.5V per parallel set)	60V
BASE VOLTAGE (3.167V)	76V - 7.98kW
CHARGE CUT-OFF VOLTAGE (3.65V)	91.25V - 9.581kW
SERIES / PARALLEL / CELL COUNT	25 / 21 / 525
DIMENSIONS	25*17*10 in (630*432*256 mm)
WEIGHT	209 lbs (95 kgs)
CYCLE LIFE (80% DOD) (Based on 1C Discharge and Charge)	2000
SELF DISCHARGE RATE	3%

(30 DAYS)	
OPERATING TEMP	-4 to 113F (-20 to 45C)
CHARGING TEMP	32 to 113F (0 to 45C)
STORAGE TEMP	-4 to 150F (-20 to 75C)
IMPEDANCE (MAX, AT 1000HZ)	≤25mΩ
ENERGY TYPE	60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Custom Built Cylindrical Battery Pack

Storage and Transportation requirements

Your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack should be transported at a 50% charge. Ensure that the contacts are not shorted and that the battery pack is not immersed in or exposed to any liquid. The battery should always be between -4°F and 113°F (-20°C and 45°C). The 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack should be kept upright. Do not drop the pack or stack things on top of it.

Safety information

- Avoid overcharging or over-discharging your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack. Lithium batteries are sensitive to being overcharged or overly discharged. Overcharging or over-discharging lithium cells may lead to a much shorter cycle lifetime.
- Do not immerse lithium batteries in water or allow them to get wet for any prolonged period of time.
- If a battery cell smells bad, is very hot, or appears deformed, remove it from the system and your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack. If the battery is under manufacturer's warranty take a picture of the battery as soon as possible.
- In the event of a cracked or physically damaged battery cell,

do not allow any lithium battery electrolyte to come in contact with your skin. If you do come in physical contact with the lithium electrolyte wash the exposed area with clean soapy water as soon as possible.

- To avoid electrical shorts, do not ship or store any metal objects near [your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack](#).
- Do not incinerate or expose lithium batteries to a fire or high heat source.
- Store lithium batteries at 50% SOC, (State of Charge). Check and recharge every 6 months.
- Check the voltage of the battery pack before connecting [your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack](#) to ensure that it is within the safe range. Inspect the BMS for damage before charging the pack.
- Clean any dirty electrodes or components with a dry cloth.
- To avoid possible electrocution, always use extreme caution when working with your battery pack or the BMS system. Wear rubber gloves and have a professional licensed electrician to assist you when working with [your 60V-76V-87V 105Ah 8kW-9kW 2C-3C EV-Hybrid Lithium LiFePO4 Li-Ion LiPo Custom Built Rechargeable UL, CE, SGS-RoHS, RBRC, ISO and TS Certified Cylindrical Battery Pack](#).