

FTR POWER SYSTEM

The FTR 105AH Lithium Iron Phosphate (LiFePO4) Battery Pack is custom built for the golf car operation. LiFePO4 batteries are known for their high energy density, long cycle life, and excellent safety characteristics, making them a popular choice for applications that require high power output and long-term reliability, such as electric vehicles, renewable energy systems, and backup power supplies.

Compared to other lithium-ion batteries, LiFePO4 batteries have several advantages. They have a longer cycle life, meaning they can be charged and discharged many more times without significant degradation.

TECHNICAL SPECIFICATIONS

Nominal Voltage: 51.2V
Cell Chemistry: LiFePO4
Cell Type: Prismatic
Ampere-hour Capacity: 105 AH
Watt-hour Capacity: 5.376 kWh
Specific Energy: 103 Wh/kg
Charge Efficiency: 99%
Cycles @80% DOD: 3000

MECHANICAL SPECIFICATIONS

Dimensions: 559x324x262 mm
Cell Pack Weight: 49KG
Ingress Protection Marking: IP65
Case Flame Rating: UL94 V-0

CHARGE SPECIFICATIONS

Continuous Charge Current: 15A to 50A
Recommended Charge Voltage: 57.6V
Charge Temperature: 0C to 50C
Discharge Temperature: -20C to 60C
Storage Temperature: -20C to 40C

CERTIFICATIONS

CE (Battery Pack)
MSDS (Battery Pack)
UN 38.3 (Battery Pack)

WARRANTY

8-year Warranty

