

# Specifications

Model: **TC105**  
 Cells: **LiFePO4**  
 Rated Voltage: **51.2v**  
 Capacitor: **105AH**

Model	
TC105	

Function Specifications	
Nominal Voltage	51.2 V
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 %
Impedance	<120 mΩ
Cycles @80%DOD	3000

Mechanical Specifications	
Cell Pack Dimensions (LxWxH)	559x324x262 mm
Controller Dimensions (LxWxH)	290x241x75 mm
Cell Pack Weight	49 kg
Controller Weight	2 kg
Threaded Insert Side Terminal	M8 X 1.25
Torque	8-9 Nm
Ingress Protection Marking	IP65
Case Flame Rating	UL94 V-0

Discharge Specifications	
Continuous Discharge Current	250 A
Peak Discharge Current	300 A - 5min
Peak Discharge Current	350 A - 1min
Short Circuit Protection	450 A
Low Voltage Disconnect	43.2 V - 3 sec
Low Voltage Reconnect	Automatic
Self-Discharge per month @ 25°C (System Off)	2.00 %
Self-Discharge Protection (System ON)	3 Days

Charge Specifications	
Continuous Charge Current	15 A - 50 A
Disconnect Charge Current	50 A - 3 sec
Recommended Charge Voltage	57.6 V
High Voltage Disconnect	58.4 V
High Voltage Reconnect	Automatic
Temperature Compensation	Yes

Environmental Specifications	
Charge Temperature	0 °C~50 °C
Discharge Temperature	-20 °C~60 °C
Operating Humidity	<90% RH
Storage Temperature	-20 °C~40 °C
Storage Humidity	25% ~ 85%

Certifications	
CE (Battery Pack)	
MSDS (Battery Pack)	
UN38.3 (Battery Pack)	

**LiFePO4 Prismatic Power Cell**  
**Car Class BMS**  
**Solenoid Switching**  
**Customized for golf car**

