

## 1. General Information

### Scope

This product specification defines the requirements of the rechargeable lithium ion battery cell to be supplied to the Customer by Harbin Coslight New Energy.

**Product Classification:** LiFePO4 Battery Cell

**Model Name:** FP 45173209A - 160Ah

## 2. Nominal Specification

Item	Condition / Note	Specification
2.1 Capacity	Nominal charge / discharge at 25°C	160Ah
2.2 Nominal Voltage	Average for nominal discharge	3.2 V
2.3 Operating Voltage Range	0%~100% SOC	2.70 ~ 3.50 V
2.4 Nominal Charge	Constant current Constant voltage End condition (Cut off)	160 A (1 C) 3.50 V 5 A
2.5 Charge Current (25°C)	Max Continuous Charge current	160A (1 C)
	Regen Peak Charge Current	320A (2 C)
2.6 Nominal Discharge	Constant current A End voltage (Cut off)	160A 2.70V
2.7 Discharge Current (25°C)	Max Peak Discharge Current	480A (3C)
2.8 Cycle / Weight		4000 / 3.2 kg
2.9 Operating Temperature & Humidity	Charge	5 ~ 45°C, ≤85%RH
	Discharge	-20~60 °C, ≤85%RH
2.10 Storage Temperature	≤1M	-20 ~ 60°C, 50%SOC
	≤3M	-20 ~ 45°C, 50%SOC
	≤12M	-20 ~ 25°C, 50% SOC After every tree months, 100% DOD is needed before recharged to 50% SOC

- 1) It can be adjusted upon discussion with Harbin Coslight New Energy because battery life span can be differentiated by user patterns and environment.