



Lithium Iron Phosphate Battery

X-LFP48100

Overview

Aras A-LFP48(Aras LifePO4) series is a complete range of 48V LiFePO4(Lithium Iron phosphate) battery products, for a wide variety of applications, such as telecom base station, UPS, renewable energy system, etc.,with advanced life, standard size, light weight and strong environmental adaptability.

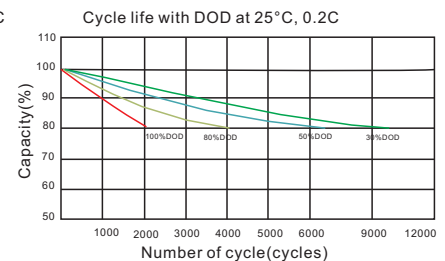
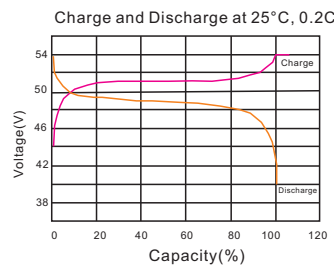
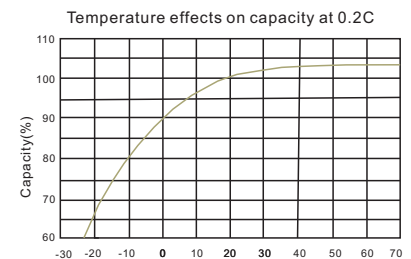
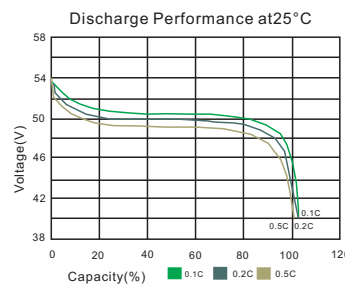
Features

- LiFePO4 (lithium Iron phosphate) battery
- High energy density,Light weight,saving space.
- Long cycle life for deep cycle.
- Fast charge capability
- Integrated Battery Manage System(BMS) to ensure battery safety and reliability.
- Support parallel connection to increase capacity
- LED status and alarm indication
- Low self-discharge rate
- No memory effect
- No gassing
- Maintenance free



Battery Specification

Nominal Characteristics	
Nominal Voltage / V	51.2
Nominal Capacity/ Ah (25°C,0.2C)	100
Mechanical characteristics	
Weight(approximate) /kg	65
Dimension L*W*H /mm	482*221*480
Terminal	DSTB22-2-2-M6
Pack Method	16S1P
Electrical characteristics	
Working voltage range /V	44.8to 57.6
Recommended charging voltage/V	57.1 to 57.6
Charging current limitation/A	Max.100A
Max.continue discharge current/A	50A
Max.peak discharge current/A	55A for 30 Sec.
Discharging Cut-off voltage /V	40
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	≥2000 Cycles
Operating temperature	Discharge -30°C to 60°C Charge 0°C to 60°C
Storage temperature	0°C to 30°C
Storage duration	12 months @25°C
Safety standard	UL at cell level



We provides all customized lithium battery solutions.