

# Lithium-ion batteries for communication backup power

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Power the World

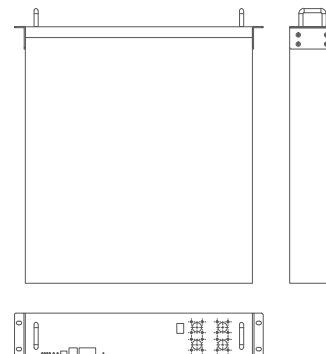


## Introduction

Allgrand 48V series lithium iron phosphate battery pack was developed for communication security. Systematically using environmental friendly lithium iron phosphate battery, equipped with high-performanced BMS to effectively manage the battery cells, and has more extensive performance and application advantages compared with traditional batteries.

Widely used in communication base stations, intelligent computer rooms, public security monitoring and other fields, product advantage intelligent centralized monitoring, standardized cabinet installation, integration, light weight, energy saving and environmental protecting.

## Appearance



## Product features

- ▣ Collect battery data in real time
- ▣ Statistics related to the working state of power
- ▣ Complete power protection function
- ▣ Maintainability and Good scalability

## Certificates

- ☑ ISO9001:2015
- ☑ ISO14001:2015
- ☑ ISO45001:2018
- ☑ YD/T 2344.1-2011
- ☑ IATF16949:2016
- ☑ GB/T29490-2013
- ☑ GB/T31467.3-2015
- ☑ QB/T2947.3-2008

## Technical Parameters

Types	Basic parameters	AL4810	AL4850	AL48100
Nominal parameters	Nominal Voltage	48V	48V	48V
	Nominal Capacity	10Ah	50Ah	100Ah
Structural parameters	Size ( mm )	482*260*44	482*405*133	482*490*222
Electrical parameters	Charge Upper Limit Voltage	52.5V(15*3.5)	52.5V(15*3.5)	52.5V(15*3.5)
	Discharge end voltage	38V	38V	38V
	Maximum charging current	5A	25A	50A
	Maximum discharging current	10A	50A	100A
Other parameters	Communication interface	RS232/RS485/CAN		
	operating temperature	-20°C~60°C		
	Storage time	Power off once every 3 months after shutdown		
	Cycle life	≥3000 ( 80%DOD)		

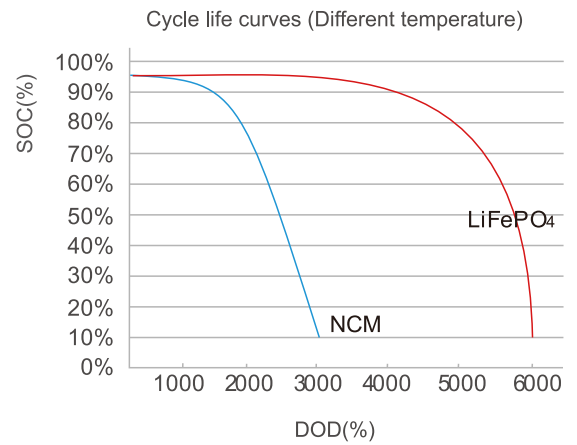
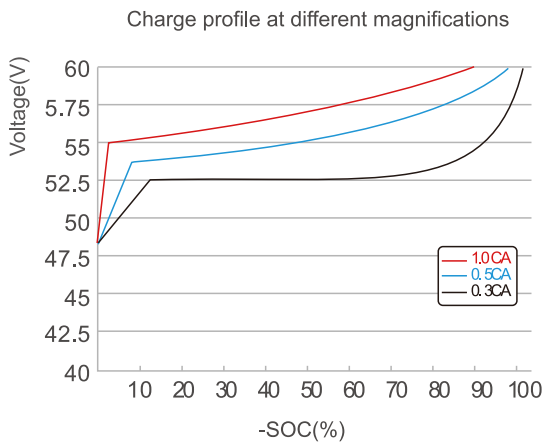
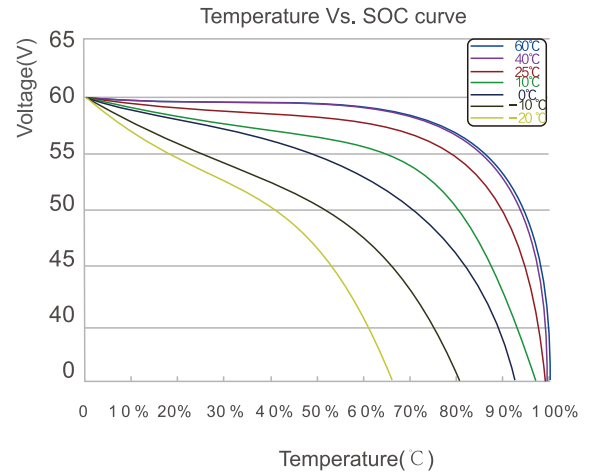
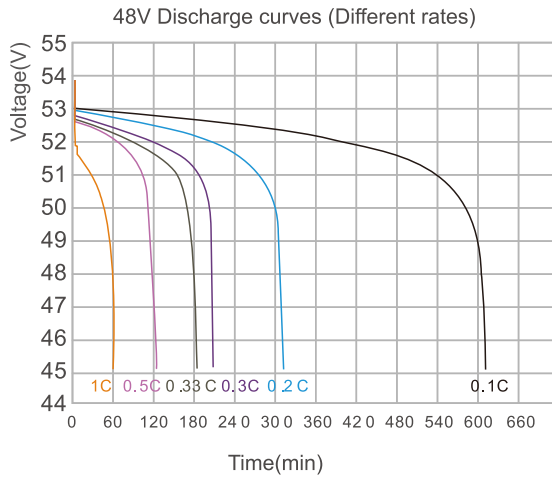
Note: Data contained herein are measured at 25°C

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## Performance



## Applications



Smart Service Room



Base Station



Data Center

Disclaimer: All data presented above are subject to change without further notice.  
Please contact ALLGRAND for latest updates.

