

## Technical Lithium Iron Phosphate Battery Data 48V 75Ah LiFePO4 BATTERY

**Dimensions:**

Length	Width	Height	Weight
522mm	273mm	225mm	42 KG



**Product Specifications:**

<b>Nominal Voltage</b>	48V / 51.2V	<b>Peak Discharge</b>	120A
<b>Nominal Capacity</b>	75Ah	<b>Impedance</b>	≤ 200 mΩ
<b>Discharge Cut-off</b>	40V	<b>Discharge Temperature Range</b>	-4°F ~ 140°F -20°C ~ 60°C
<b>Charged Cut-off</b>	58.4V	<b>Charge Temperature Range</b>	32°F ~ 113°F -0°C ~ 45°C
<b>Charge Current</b>	30A	<b>Charge Method</b>	CC/ CV
<b>Continuous Discharge Current</b>	100A	<b>Cycle Life</b>	10yrs/ 3,500 Cycles@70% DoD

*\*Charge to 51.2V to limit the battery DoD to 80% capacity \**

**Energy Capacity Hours**

@7Ah	@18.75Ah	@75Ah	Total Energy
10 Hours	4 Hours	1 Hour	3, 840 Wh

**Internal Design**

Bolted	Welded
	<b>X</b>

**Features & Performance**

- 3,000 - 5,000 Cycles
- Increased Safety Performance
- Wide Operating Temperature Range
- High Temperature Performance
- Green Energy Without Contaminants
- Pressure Resistant Cells
- High Capacity System
- Steady Output Voltage
- <3% Yearly Discharge Storage
- Triple Safety Protection
- Vibration & Shock Resistant
- No Memory Effect

**Safety Protection**

- Over Charging
- Over Discharging
- Short Circuit
- Penetration
- Thermal Shock
- No Fires
- No Explosions

## WARNINGS

- **NEVER** connect the positive and the negative of the battery with metal.
- **NEVER** cut or puncture battery.
- **DO NOT** expose the battery to water.
- **DO NOT** expose the battery to fire or high temperatures.

## Storage & Non-use

- Store in a dry place with temperature not exceeding 85°F or 30°C.
- For long term storage keep battery charged 30%-50% of capacity.
- Use terminal post covers to prevent any short circuiting.

## Warranty Terms

AGRES (PTY) Ltd offers a 2 year factory backed warranty that covers manufacturer defects. Within the warranty timeframe, we will repair or replace the battery with a new or remanufactured battery.

### **Not covered by warranty:**

- Damaged caused by accidents or acts of god.
- Lose terminal bolts and corrosion.
- Failure to properly install the battery, maintain & charge.
- Fire, intense heat & freezing.
- Water damage and moisture.
- Tampering of the battery pack.