

Compact Series LiFePO₄ Lithium Batteries



12.8V 100Ah LiFePO₄ Lithium Battery



12.8V 200Ah LiFePO₄ Lithium Battery



25.6V 100Ah LiFePO₄ Lithium Battery

TECHNICAL SPECIFICATIONS			
Model	LFP0401PDK98394	LFP0402PDK98396	LFP0801PDK98395
Typ. Capacity	100 Ah	200 Ah	100 Ah
Min. Capacity	98 Ah	196 Ah	98 Ah
Weight	9.300 g ± 150 g	20.500 g ± 500 g	21.000 g ± 500 g
Dimensions (Width × Length × Height)	170x260x213 mm	225x501x211 mm	225x501x211 mm
Operating Temperature	0°C to + 50°C Charge -15°C to + 50°C Discharge		
CHARGE CHARACTERISTICS (Per Battery Pack)			
Charge Voltage	14.40 V	14.40 V	28.80 V
Standard Charge Current	50 A	50 A	50 A
Max. Charging Current	50 A	50 A	50 A
PCM PARAMETERS (Per Battery Pack)			
Overcharge Det. Voltage	3.75 V ± 0.05 V		
Overcharge Rel. Voltage	3.55 V ± 0.15 V		
Overdischarge Det. Voltage	2.20 V ± 0.08 V		
Overdischarge Rel. Voltage	2.70 V ± 0.10 V		
Overcharge Current Range	50.0 A – 90.0 A	50.0 A – 90.0 A	50.0 A – 70.0 A
Overdischarge Current Range	250.0 A – 450.0 A	250.0 A – 450.0 A	250.0 A – 400.0 A
Scalability	4 series, 4 parallel	4 series, 4 parallel	2 series, 4 parallel
Features	SOC Display / Bluetooth		
DISCHARGE CHARACTERISTICS (Batarya Paketi Başına)			
Cut-off Voltage	8.80 V ± 0.2 V	8.80 V ± 0.2 V	17.60 V ± 0.4 V
Standard Discharge Current	50 A	100 A	50 A
Max. Continuous Discharging Current	100 A	100 A	100 A
Storage Temperature	-10°C to +25°C (max. 6 months)		
Life Expectancy 0.5C/0.5C @ 25 ±2°C %80 DOD	3.000 cycle		

*Akü kasa renkleri farklılık gösterebilir.



Premium Series LiFePO₄ Lithium Batteries



12V 100Ah LiFePO₄ Lithium Battery



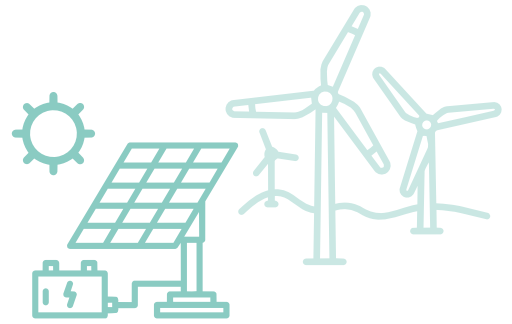
12V 200Ah LiFePO₄ Lithium Battery



24V 100Ah LiFePO₄ Lithium Battery

TECHNICAL SPECIFICATIONS			
Model	BPM-CP12100	BPM-CP12200	BPM-CP24100
Typ. Capacity	100 Ah	200 Ah	100 Ah
Min. Capacity	98 Ah	196 Ah	98 Ah
Weight	12 kg ± 1 kg	20 kg ± 1 kg	20 kg ± 1 kg
Dimensions (Width × Length × Height)	279x205x215 mm	475x205x215 mm	475x205x215 mm
Operating Temperature	0°C to + 50°C Charge -15°C to + 50°C Discharge		
CHARGE CHARACTERISTICS (Per Battery Pack)			
Charge Voltage	14.40 V	14.40 V	28.80 V
Standard Charge Current	30 A	30 A	30 A
Max. Charging Current	80 A	80 A	80 A
PCM PARAMETERS (Per Battery Pack)			
Overcharge Det. Voltage	3.65 V ± 0.05 V		
Overcharge Rel. Voltage	3.45 V ± 0.15 V		
Overdischarge Det. Voltage	2.50 V ± 0.08 V		
Overdischarge Rel. Voltage	2.75 V ± 0.10 V		
Overcharge Current Range	50.0 A – 90.0 A	50.0 A – 90.0 A	50.0 A – 70.0 A
Overdischarge Current Range	250.0 A – 450.0 A	250.0 A – 450.0 A	250.0 A – 400.0 A
Scalability	4 series, 4 parallel	4 series, 4 parallel	2 series, 4 parallel
Özellikler	SOC Ekranı / Bluetooth		
DISCHARGE CHARACTERISTICS (Batarya Paketi Başına)			
Cut-off Voltage	10 V ± 0.2 V	10 V ± 0.2 V	20 V ± 0.4 V
Standard Discharge Current	30 A	30 A	30 A
Max. Continuous Discharging Current	80 A	80 A	80 A
Storage Temperature	-10°C to +25°C (max. 6 months)		
Life Expectancy 0.5C/0.5C @ 25 ±2°C %80 DOD	5.000 cycle		

Features Of LiFePO₄ BATTERIES



Long Lifespan & High Cycle Durability

LiFePO₄ batteries offer 5 to 10 times longer service life compared to lead-acid batteries. Fast charging has minimal impact on overall performance.



High Energy Density & Lightweight Design

Designed to meet high instant energy demands without performance loss. Thanks to higher energy density, they are more compact and lighter than conventional batteries.



Fast Charging & High Efficiency

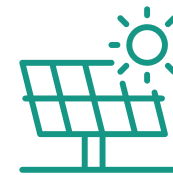
One of the most efficient energy storage solutions with up to 95% efficiency. Compared to traditional batteries, it delivers up to 30% higher efficiency. Can reach near full capacity quickly without performance loss during partial charging.



Cost Advantage & Sustainability

Although the initial investment may seem higher, longer lifespan and high efficiency significantly reduce total cost of ownership. Offers both economic and sustainable benefits.

Application Areas



Solar Energy Systems



Wind Turbines



Caravan



Marine Applications



Residential Use



Off-Grid Systems



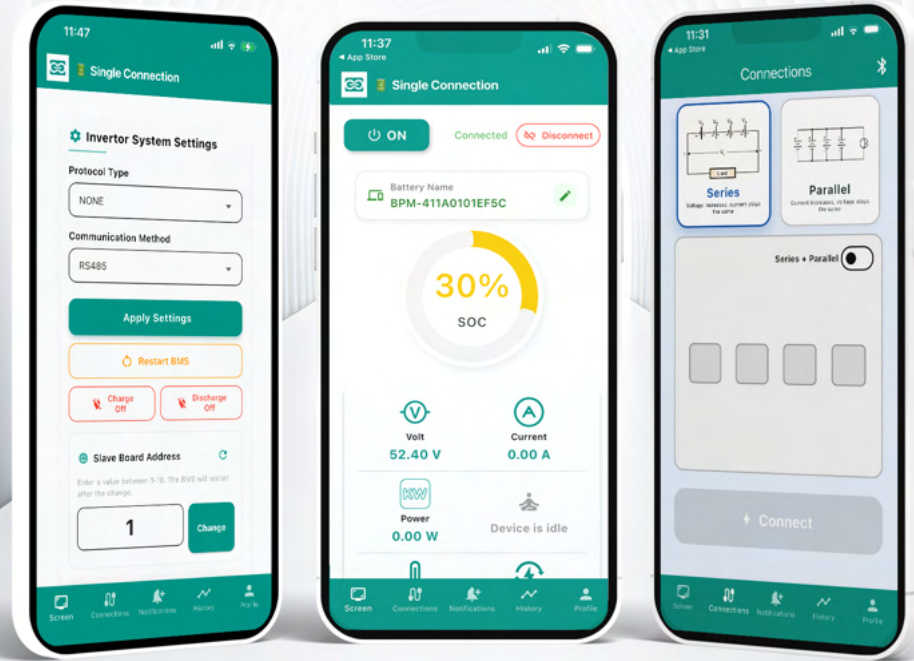
Camping





THE SMARTEST WAY TO
MANAGE YOUR BATTERY

BPMapp



- USER-FRIENDLY INTERFACE
- REAL-TIME MONITORING
- REMOTE CONTROL SYSTEM
- AUTOMATIC WARNING SYSTEM



You can use our mobile application for secure monitoring and detailed control.



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THE IMPORTANCE OF ENERGY STORAGE



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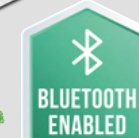


LiFePO₄ Lithium Battery Series



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