

DATA SHEET

12.8V200Ah 2560Wh

FEATURES

- Ultra-reliable Lithium Iron Phosphate (LiFePO₄) technology
- Integrated battery management System (BMS)
- Ultra-long cycle life
- Light weight & compact
- Water & dust resistant (IP56)
- Highly durable ABS enclosure
- Drop-in lead acid replacement
- Environment friendly
- Bluetooth App is optional



No maintenance



Long life



Eco-friendly



Fast charge



GENERAL INFORMATION

Battery Type	LiFePO4(Lithium Iron Phosphate)
Norminal voltage	12.8V
Nominal Capacity	200Ah _{25°C,C10}
Nominal Energy	2560Wh _{25°C,C10}
Operation Voltage	10~14.6V
Operation Temperature	Charge: 0°C – 45°C Discharge: -20°C – 60°C
Cycle Life @ 100%DOD	>3000 cycles (2560Wh _{25°C,C10})
Cycle Life @ 80%DOD	>4000 cycles (2048Wh _{25°C,C10})
Cycle Life @ 50%DOD	>6000 cycles (1280Wh _{25°C,C10})
Dimension	522 x 238 x 222mm (W x D x H)
Terminal Type	M8
Weight	~25 kg
Warranty Period	5 years
Environment Protection	IP56

BMS/CHARGE/DISCHARGE

Charge Voltage Max	14.6V
Discharge Cut-off Voltage	10V
Charge Current Max	100A
Discharge Current Max	100A continues 200A burst (10 seconds)
Self-discharge Rate	<2% per month
Protection	Over-charge protection Over-discharge protection Over current protection Cell balancing function Over temperature protection

Empowering energy solutions for street lighting and infrastructure

Sunio is a prominent importer of renewable energy solutions and has a rich history of pioneering sustainable practices and contributing to the clean energy transition in the United Arab Emirates. Founded in 2023 we embarked on a mission to introduce cutting-edge renewable technologies to the UAE market, promoting environmental consciousness and energy independence.

We recognized the growing need for sustainable energy alternatives in the UAE, considering the region's abundant natural resources and the global shift towards clean energy.

We are dedicated to sourcing and importing the latest renewable energy solutions from around the world. Working closely with renowned manufacturers and industry experts, we have curated a diverse portfolio of high-quality products, including solar street light solutions, solar panels, energy storage systems, and other sustainable technologies.

Through strategic partnerships and collaborations, we play a pivotal role in introducing and popularizing renewable energy solutions across the UAE. We actively engage with government entities, private enterprises, and individuals, raising awareness about the benefits of clean energy and facilitating its adoption on a large scale.

Driven by a vision of sustainability and a passion for environmental stewardship, we have actively contributed to the UAE's ambitious clean energy targets. By importing and providing access to advanced renewable technologies, we have helped the UAE reduce its carbon footprint, diversify its energy mix, and foster a more sustainable and resilient economy.

As a trusted importer of renewable energy solutions, we continue to empower individuals, businesses, and organizations to embrace clean energy alternatives, reduce their environmental impact, and contribute to a greener future for the UAE.