

FEATURES Lithium Iron Phosphate (LiFePO₄): the Safest Lithium Technology.

Integrated Battery Management System(BMS).
Bluetooth/Heater/LCD Indicator(Optional).

PERFORMANCE Long Cycle Life>4000cycles @80% DOD.

High Density, High Discharge Current,
High Temperature Range.Low Weight,
Free Maintenance.
Fast Charging.
Environment Friendly.



CP24100(25.6V100Ah)

BATTERY DATA SHEET

Electrical Parameters

Nominal Voltage	25.6V
Rated Capacity	100Ah
Energy	2560Wh
Resistance	≤30m Ω
Efficiency	99%
Cycle Life	>4000cycles @0.2C,80% DOD
Self Discharge	3% per Month
Max. Modules in Series/Parallel	4S/4P

Mechanical Parameters

Dimension(L x W x H)	522 x240 x220 mm
	20.5 x9.4 x8.6"
Weight	28.0 kg(61.7 lbs)
Terminal Type	M8
Battery Housing	ABS
Housing Protection	IP66
Cell Type-Chemistry	LiFePO ₄ Cylindrical Cell
SOC Display(Optional)	LCD Indicator

Discharge Parameters

Continuous Discharge Current	150A
Pulse Discharge Current	200A(5 seconds)
Recommended Volt. Disconnect	22V
BMS Discharge Cut-off Voltage	16V
Reconnect Voltage	20V
Short Circuit Protection	200~600 us

Charge Parameters

Charge Method	CC-CV
Charge Voltage	28.4V-29.2V
Recommended Float Voltage	27.6V
Recommended Charge Current	50A
Maximum Charge Current	100A
BMS Charge Cut-off Voltage	31.2V

Compliance Certificate

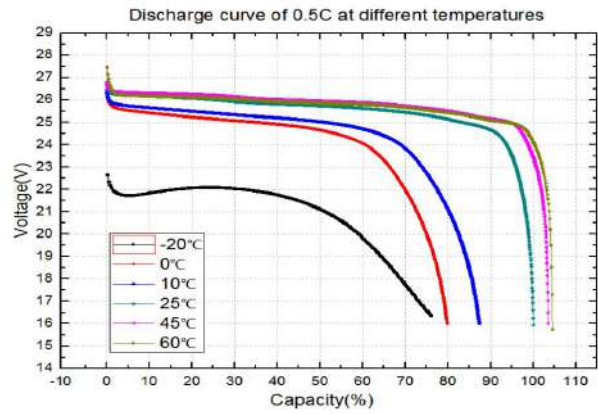
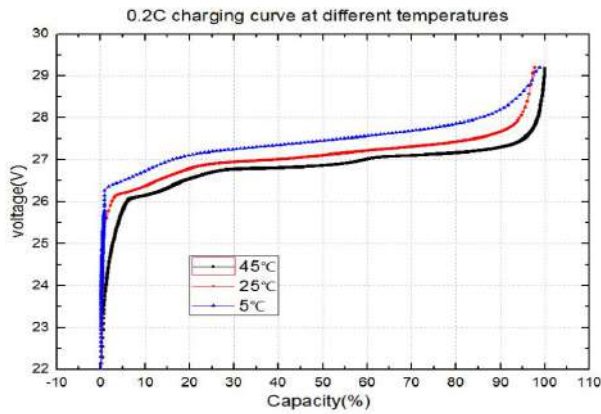
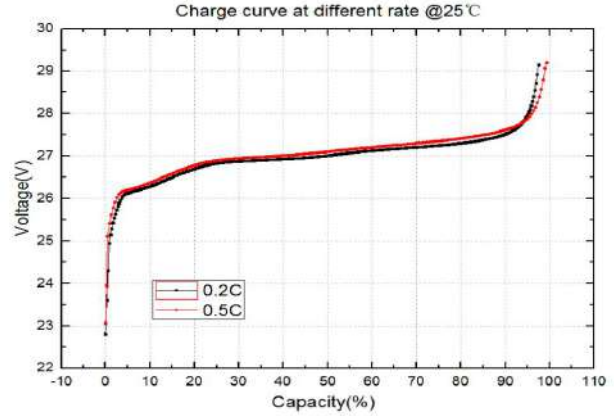
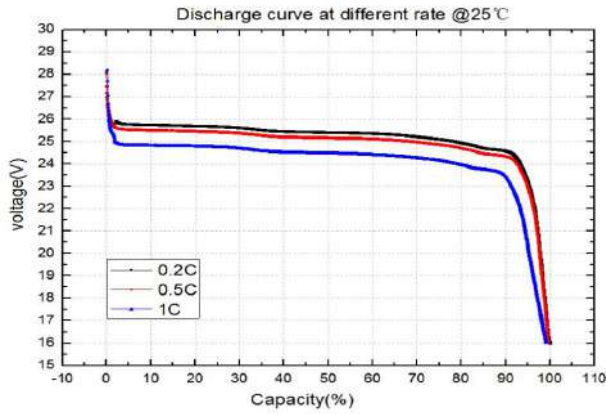
Certifications	UL1642(Cell)
	CE
	IEC62133 & CB
	MSDS
	TÜV
Shipping Classification	UN3480, Class 9, UN38.3

Temperature Parameters

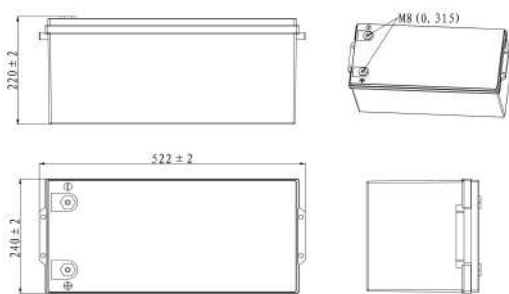
Discharge Temperature	-20 to 60°C (-4 to 140 °F)
Charge Temperature	5 to 45°C (41 to 113°F)
Storage Temperature	-40 to 60°C(-40 to 140°F)
BMS High Temperature Cut-off	80°C(176°F)



Performance Characteristics



Battery Dimension



Battery Recycle



NOTE: Do Not Mix With Sealed Lead Acid Batteries When Recycling.

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Battery Applications

- + Data Center UPS
- + Telecom Backup Power
- + Military Power Supply
- + Solar Energy Storage System
- + Solar Street LED Lightings
- + Autonomously Guided Vehicles (AGVs)
- + Industrial Robotics & Handling Equipment
- + Aerial Work Platform
- + Floor Cleaning Machines
- + Power Tools, Lawn Mower
- + Electric Bike & Motorcycles
- + Electric Mobilities (E-scooters, Wheelchair)
- + Golf Trolley & Golf Carts
- + Medical Devices
- + Electric Ships
- + Passenger Vehicles