

768V200Ah

LiFePO₄ Lithium Battery

Longer Cycle Life: Offers up to 15 times longer cycle life and 5 times longer float/calendar life than lead acid battery.

Lighter Weight: About 40% weight of a comparable lead acid battery, save up to 60% in weight.

Quick Charge: Short charge time compared with lead acid battery.

Low Self-Discharge: Lower self-discharge compared with lead acid battery, longer storage time without recharging.

Superior Safety: Multi-protection methods built inside to protect the battery from overcharge, over discharge and short circuit situation.

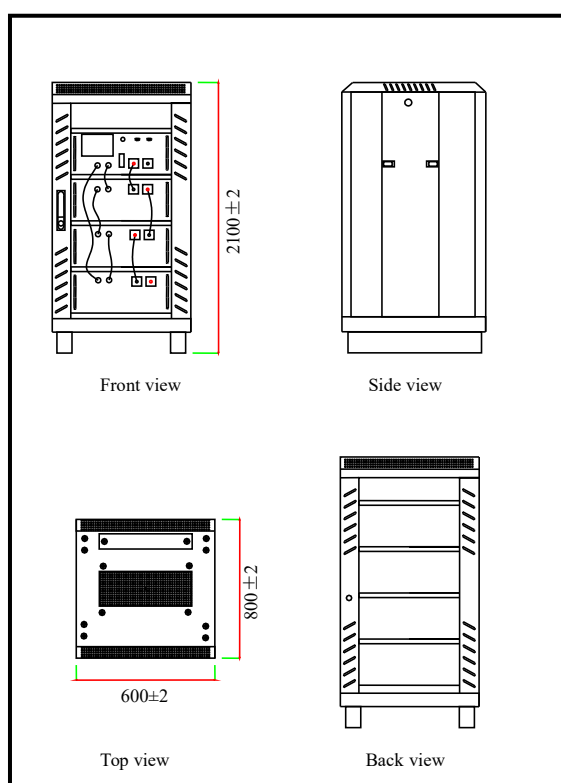
High Efficient: Higher round-trip energy efficiency of the average (92%) than lead acid battery 80% (discharge from 100% to 0% and back to 100% charged).



Specifications

Nominal voltage		768V
Nominal capacity		200Ah
Dimensions x 3	Length	800±2mm (31.49inch)
	Width	600±2mm (23.62inch)
	Height	2000±2mm (78.74inch)
	Total height	2100±2mm (82.68inch)
Approx. total weight		1800.0kg (3968.80lbs)±70kg

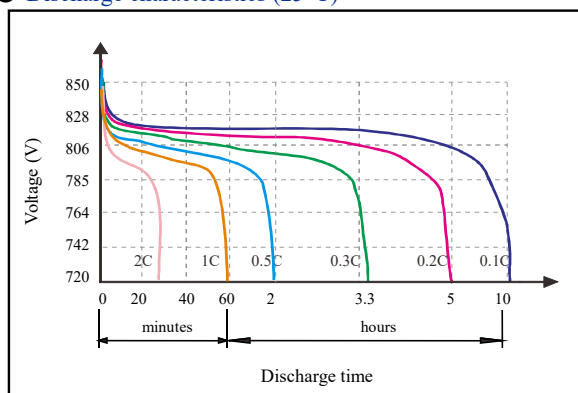
Outer dimensions (mm, for one cabinet, three in total)



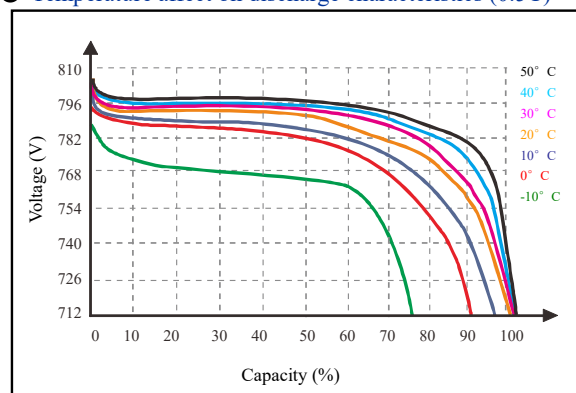
Characteristics

Electrical Parameters (25°C)	Rated Voltage	768V
	Rated Capacity (C _s)	200Ah@25°C
	Energy	153.6kwh
	Months Self Discharge	<3%
	Charge Efficiency	99.5%@ 0.2C
	Discharge Efficiency	96-99%@ 1C
Terminal Diameter		M8
Internal resistance (Fully charged, 25°C)		≤170mΩ
Cycle life		>3000 cycles @ 0.2C 100%D.O.D
Capacity affected by temperature	40°C	101%
	25°C	100%
	0°C	90%
	-10°C	75%
Nominal operating temperature		25°C±3°C (77°F±5°F)
Operating temperature range	Discharge	-20°C~60°C (-4°F~140°F)
	Charge	0°C~45°C (32°F~113°F)
	Storage	0°C~40°C (32°F~104°F)
Water Dust Resistance		IP50
Charge Voltage		850V
Standard Charge Mode (25°C±2°C, <75%RH)		0.2CA Constant Current to 850V, then Constant Voltage 850V until the current drops to 0.02CA, before use, rest 30 minutes
Charge Current		40A
Maximum Charge Current		100A
Charge Cut off Voltage		850V
Continuous Discharge Current		200A
Maximum Pulse Current		3000A (<2S, Adjustable)
Discharge Cut Off Voltage		672V
Communicate Protocol (optional)		RS485/CAN
SOC (optional)		Screen/LED/PC Software
Application connection		1 string 1 parallel
Mechanical	Cells Qty	240 Strings
	Container	Metal

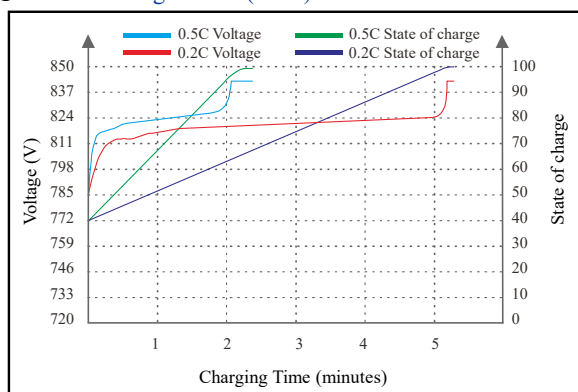
● Discharge characteristics (25°C)



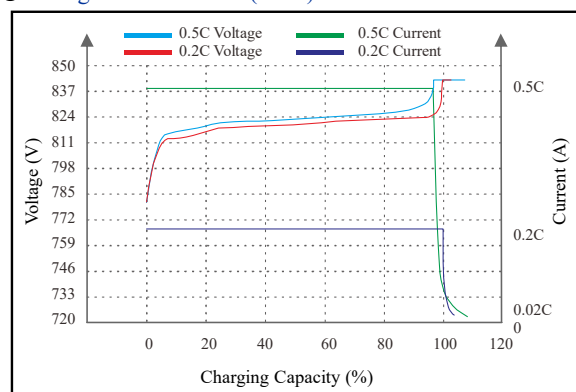
● Temperature affect on discharge characteristics (0.5C)



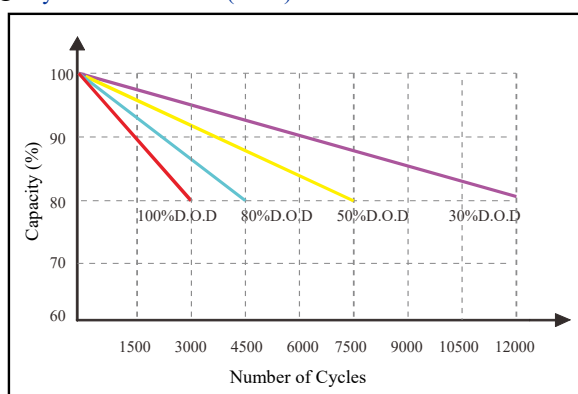
● State of Charge Curve (25°C)



● Charge characteristics (25°C)



● Cycle life on D.O.D (25°C)



● Self Discharge Characteristics Curve

