

12V 300Ah

12V 350Ah

24V 150Ah

48V 76Ah



Model Included:

- **NEBG8D-12300** 12V 300Ah LiFePO4 Battery
- **NEBG8D-12350** 12V 350Ah LiFePO4 Battery
- **NEBG8D-24150** 24V 150Ah LiFePO4 Battery
- **NEBG8D-36100** 36V 100Ah LiFePO4 Battery
- **NEBG8D-4876** 48V 76Ah LiFePO4 Battery

neb energy®		Model				
		NEBG8D-12300	NEBG8D-12350	NEBG8D-24150	NEBG8D-36100	NEBG8D-4876
Electrical Specifications	Nominal Voltage	12.8V	12.8V	24V	36V	48V
	Nominal Capacity	300Ah	350Ah	150Ah	100Ah	76Ah
	Parallel Connection	Max. 6units	Max. 6units	Max. 6units	Max. 6units	Max. 6units
	Serial Connection	Max. 4units	Max. 4units	Max. 2units	No	No
	BMS	4S200A	4S200A	8S150A	12S100A	16S100A
	Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance				
	Cycle Life	3000times Cycles @100%DOD and 6000times @80% DOD				
	Self Discharge	Less than 3% per month				
	Charge Efficiency	100% @0.2C				
	Discharge Efficiency	98-100% @1C				
Charge Specifications	Charge Voltage	14.4±0.2V	14.4±0.2V	28.8±0.4V	43.2±0.6V	57.6±0.8V
	Standard Current	60A	70A	30A	20A	15A
	Fast Current	150A	175A	75A	50A	38A
Discharge Specifications	Standard Current	60A	70A	30A	20A	15A
	Max. Con. Current	200A	200A	150A	100A	76A
	Peak Current	800A(300ms)	800A(300ms)	800A(300ms)	500A(300ms)	500A(300ms)
	Cut-off Voltage	10V	10V	20V	30V	40V
Mechanical Specifications	Dimensions (mm)	521×267×220mm (Group 8D)				
	Approx Weight(KG)	33	34.5	33.5	33	33.5
	Terminal Type	M8				
	Case Color/material	Black Plastic case (ABS)				
	IP Rating	IP65				
	Cell Type	Cylindrical LiFePO4 cell				
	Cell holder	Yes				
Temperature Specifications	Charge Temp	0°C to 55°C		(32°F to 131°F)		
	Discharge Temp	-20°C to 60°C		(-4°F to 140°F)		
	Storage Temp	-5°C to 45°C		(23°F to 113°F)		

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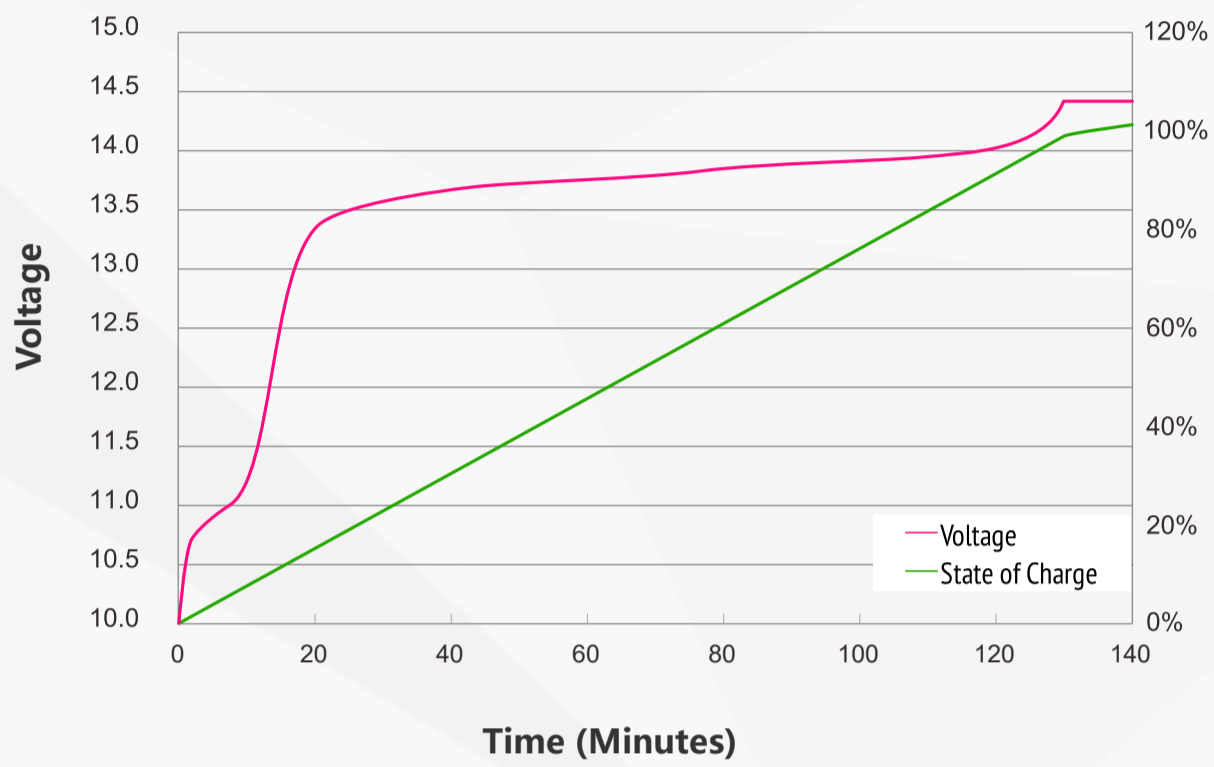
12V 350Ah

24V 150Ah

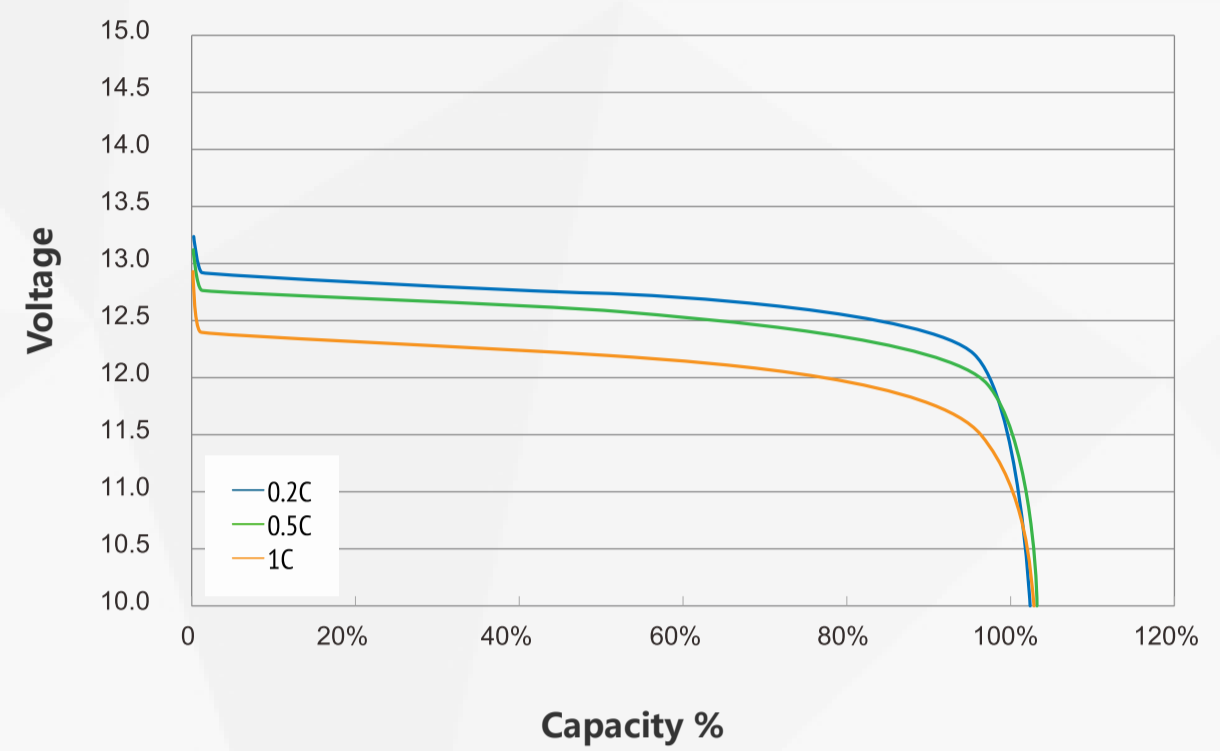
48V 76Ah

Characteristics Curve:

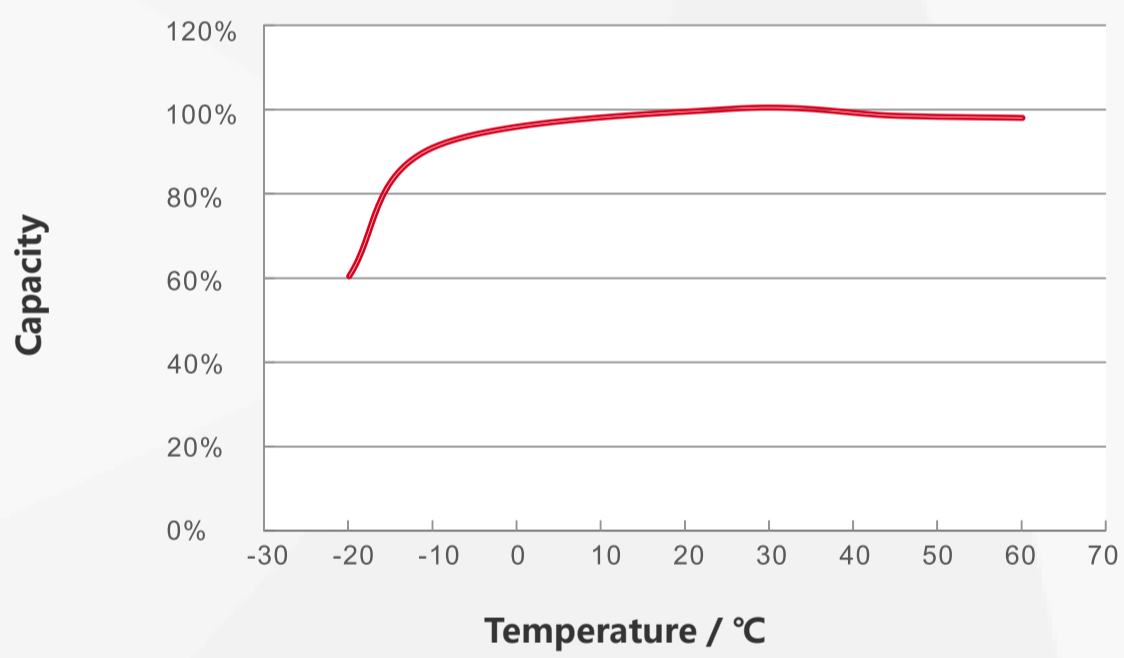
Charging Characteristics (0.5C @25°C)



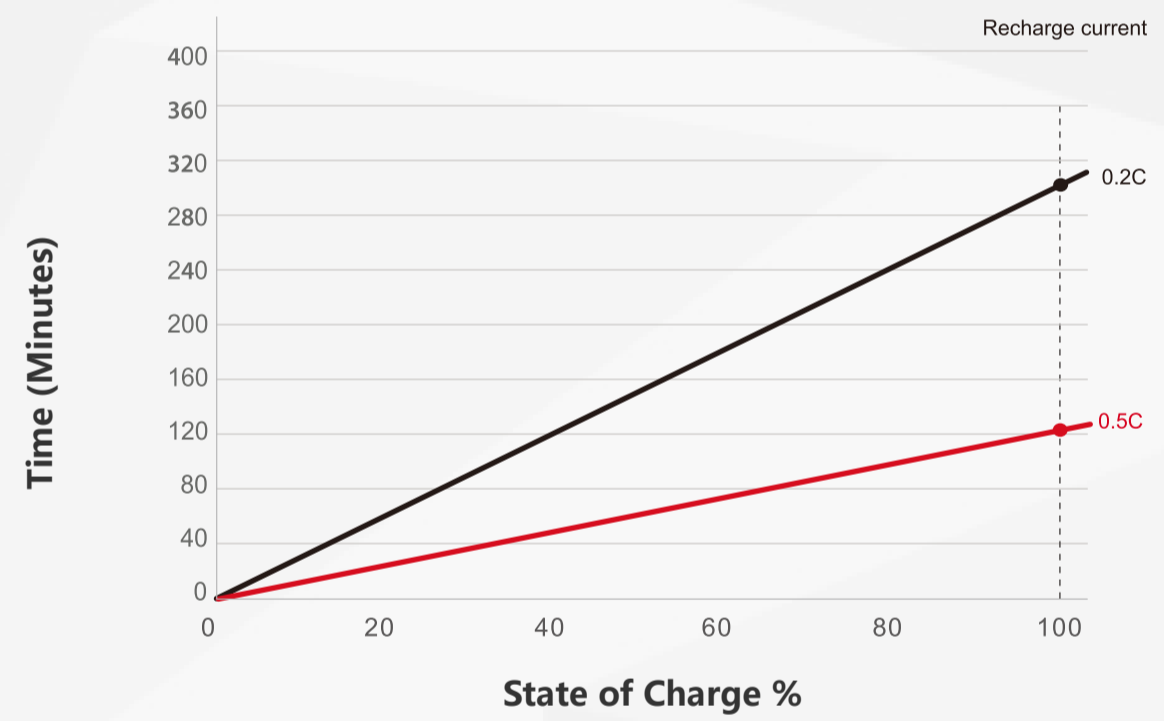
Discharging Characteristics (0.2C, 0.5C, 1C @25°C)



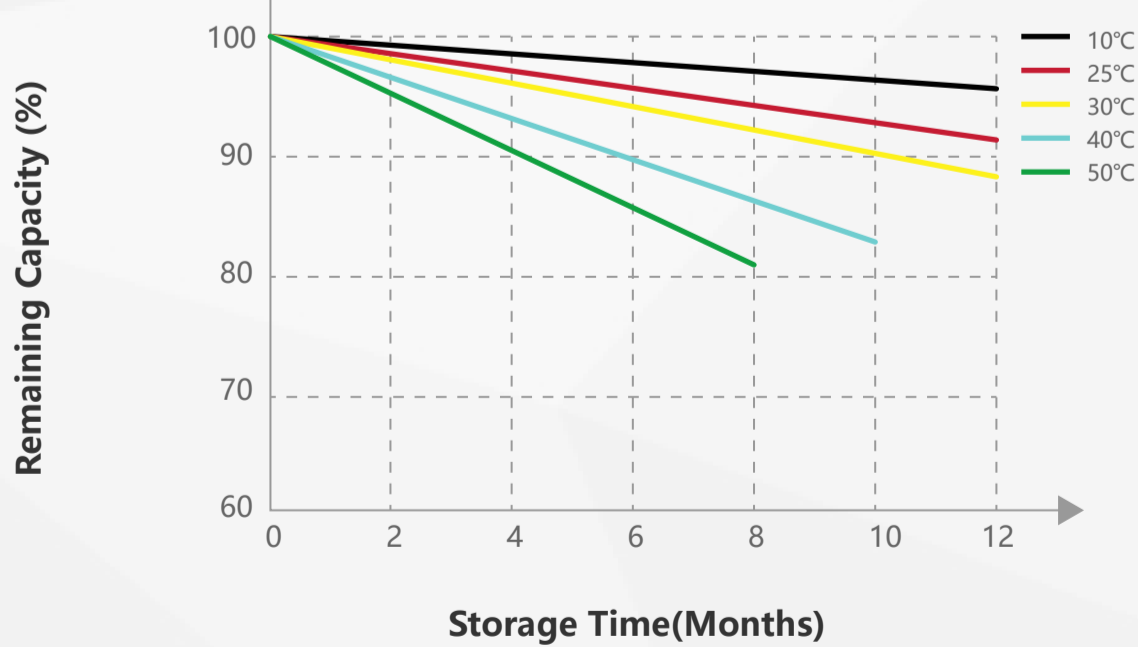
Different Temperature Capacity Curve



Typical Charge Time Curve



Different Temperature Self Discharge Curve



Different DOD Discharge Cycle Life Curve

