

12V 120Ah

12V 135Ah

24V 60Ah

48V 32Ah



Model Included:

- **NEBG27-12120** 12V 120Ah LiFePO4 Battery
- **NEBG27-12135** 12V 135Ah LiFePO4 Battery
- **NEBG27-2460** 24V 60Ah LiFePO4 Battery
- **NEBG27-3640** 36V 40Ah LiFePO4 Battery
- **NEBG27-4832** 48V 32Ah LiFePO4 Battery

neb energy®		Model				
		NEBG27-12120	NEBG27-12135	NEBG27-2460	NEBG27-3640	NEBG27-4832
Electrical Specifications	Nominal Voltage	12.8V	12.8V	24V	36V	48V
	Nominal Capacity	120Ah	135Ah	60Ah	40Ah	32Ah
	Parallel Connection	Max. 6units	Max. 6units	Max. 6units	Max. 6units	Max. 6units
	Serial Connection	Max. 4units	Max. 4units	Max. 2units	No	No
	BMS	4S150A	4S150A	8S60A	12S50A	16S45A
	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	20A	27A	12A	8A	6A
	Fast Current	60A	67A	30A	20A	16A
Discharge Specifications	Standard Current	24A	27A	12A	8A	6A
	Max. Con. Current	120A	135A	60A	40A	32A
	Peak Current	800A(300ms)	800A(300ms)	200A(300ms)	200A(300ms)	180A(300ms)
	Cut-off Voltage	10V	10V	20V	30V	40V
Mechanical Specifications	Dimensions (mm)	305×169×210mm (Group 27)				
	Approx Weight(KG)	13.5	14	13.5	13.5	13
	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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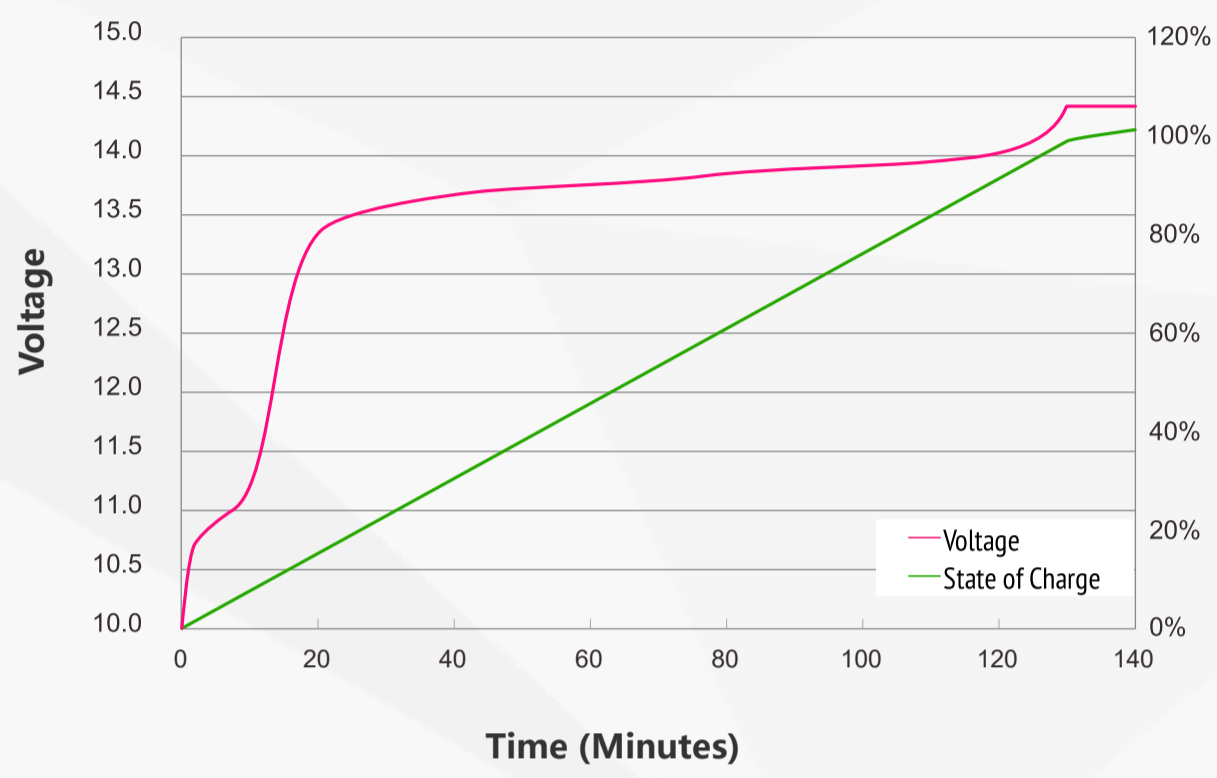
12V 135Ah

24V 60Ah

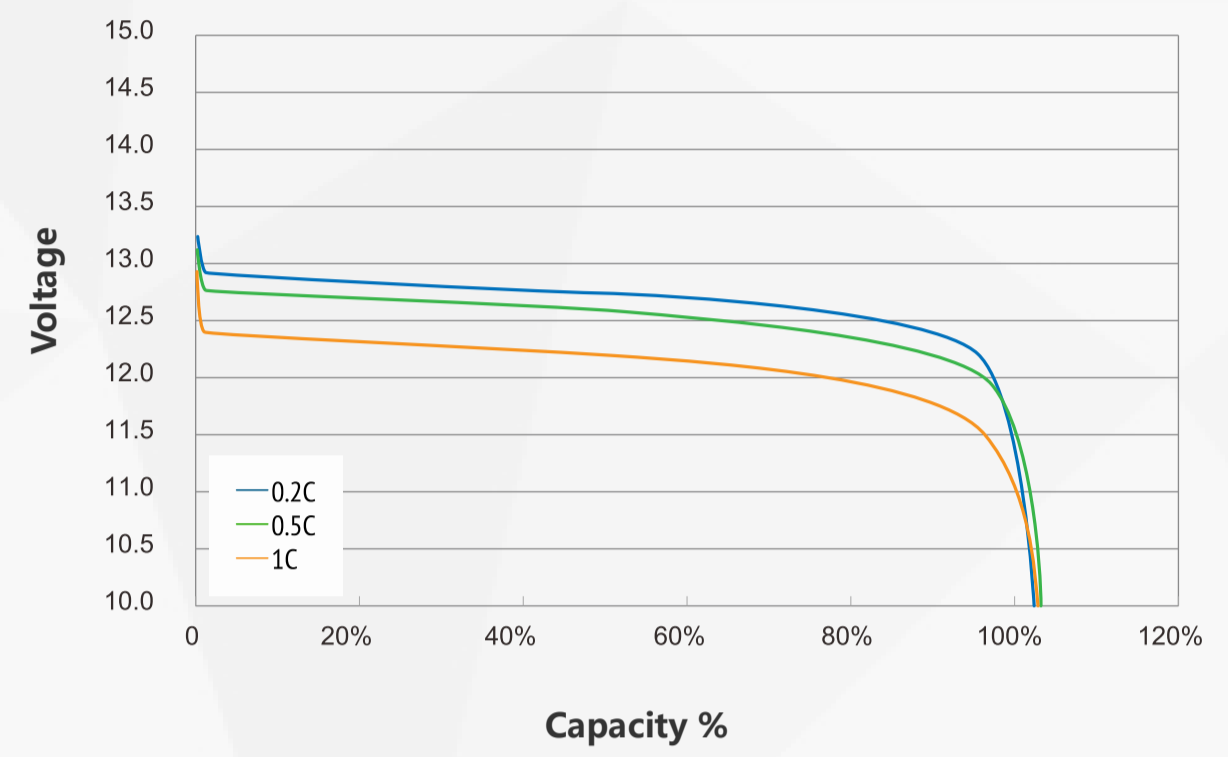
48V 32Ah

Characteristics Curve:

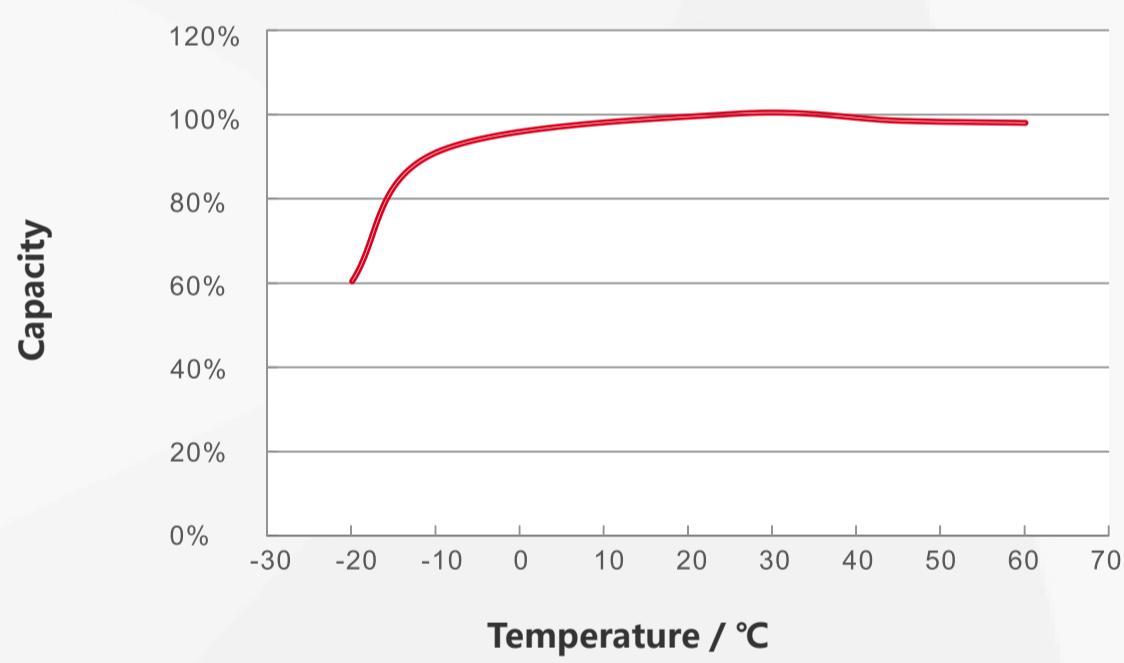
Charging Characteristics (0.5C @25°C)



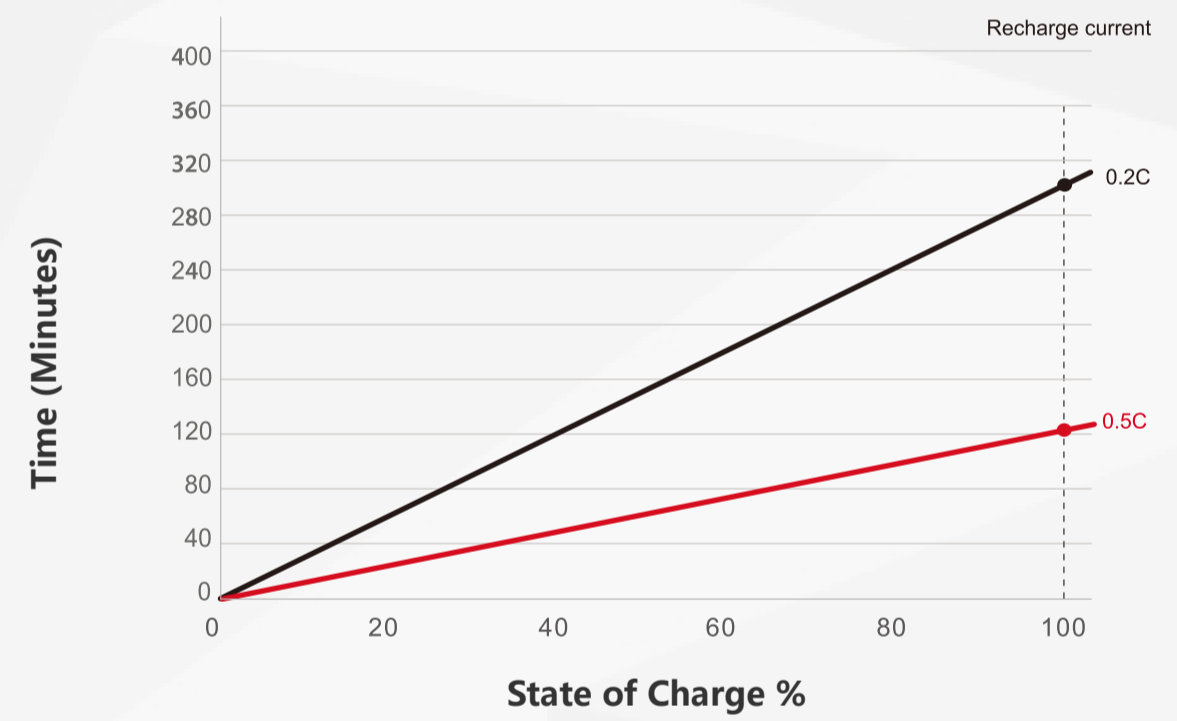
Discharging Characteristics (0.2C, 0.5C, 1C @25°C)



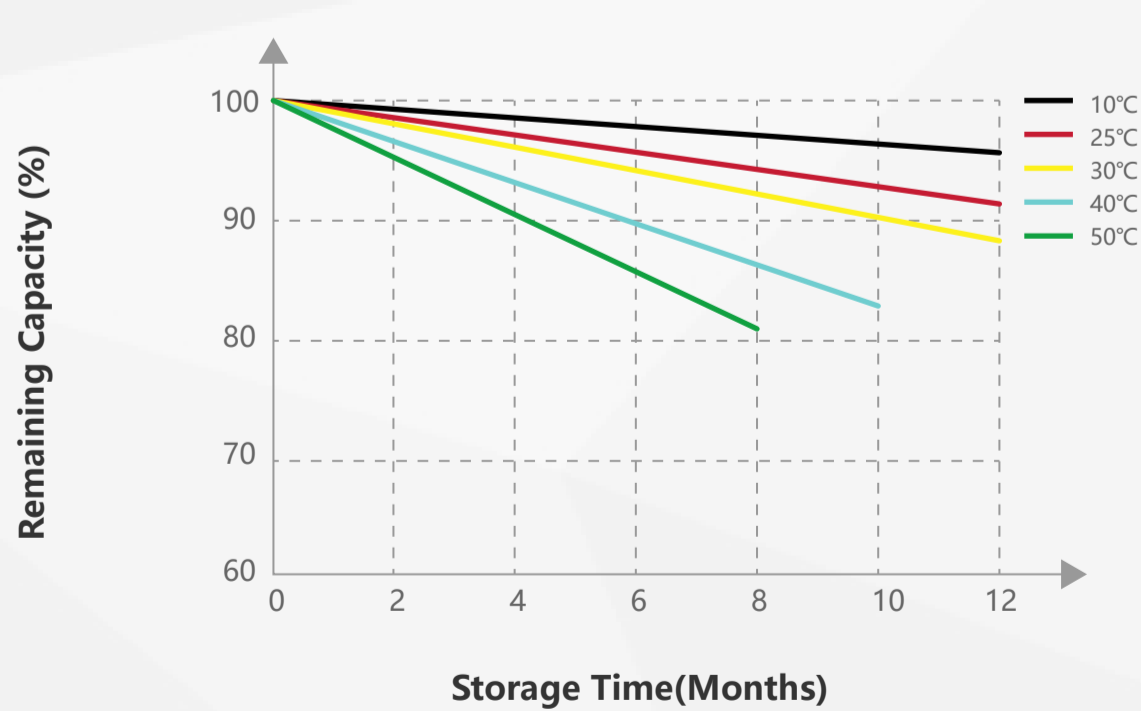
Different Temperature Capacity Curve



Typical Charge Time Curve



Different Temperature Self Discharge Curve



Different DOD Discharge Cycle Life Curve

