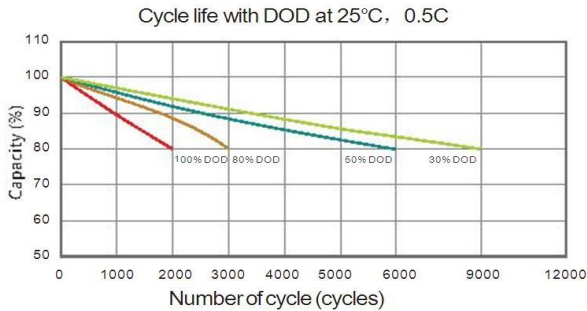


# RPower LFP122000 (12.8V 200Ah LiFePO4 Battery)

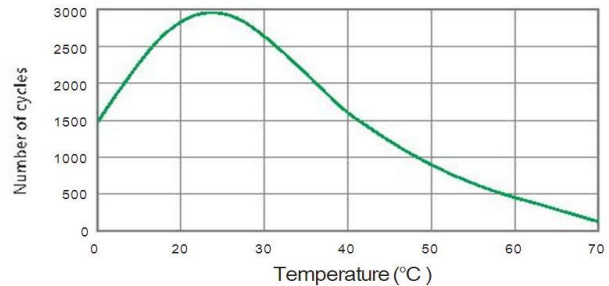
with Bluetooth function

EAN: 4260349822107

## Number of Cycles vs. DOD



## Cycle Life in Relation to Temperature

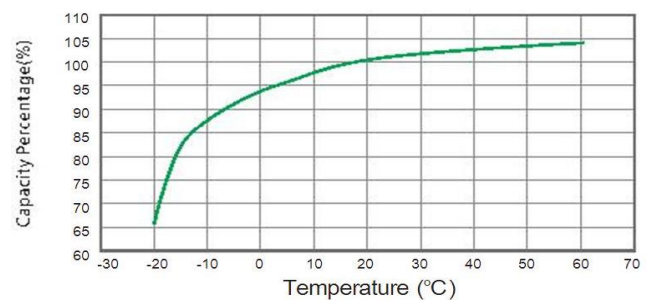


## Specifications

Nominal Voltage	12.8V	
Nominal Capacity	200Ah	
Specific Energy	2560Wh	
Dimensions (±2mm)	Length	522mm (20.6inch)
	Width	238mm (9.37inch)
	Height	218mm (8.58inch)
	Total Height	223mm (8.78inch)
Approx. Weight (±5%)	22.00kg (48.50lbs)	
Terminal	M8	
Internal resistance	≤10mΩ@100%SOC	
Voltage window	10.80 to 14.60V	
Max. continuous charge current	150A	
Max. continuous discharge current	150A	
Peak discharge current	245A (10sec.)	
Recommended charge current	100A	
Recommended discharge current	100A	
Charge current cut-off	6A	
Cycle life	≥2.000 Cycles	
Operating temperature	Charge	10°C to 45°C
	Discharge	-20°C to 55°C
Storage temperature	20°C to 30°C	
Storage duration	12 months at 25°C	
Case material	ABS	
Cell type chemistry	Prismatic LiFePO4	
Max. series connection*	2 (Batteries)	
Max. parallel connection*	4 (Batteries)	

\*series and parallel connection at the same time is not possible

## Temperature Effects on Capacity



## BMS Characteristics

Primary charging protection	Current: >200.0±2.5A
	Delay time: 15±2S
Secondary charging protection	Current: >220.0A±2.5A
	Delay time: 3±1S
Primary discharging protection	Current: >205.0±2.5A
	Delay time: 20±2S
Secondary discharging protection	Current: >250.0A±2.5A
	Delay time: 3±1S
Over-charge voltage protection	Voltage: > 14.8±0.2V
	Delay time: 2±0.5S
Over-discharge voltage protection	Voltage: <9.6±0.2V
	Delay time: 2±0.5S
High Temperature Protection	Charging: 65±3°C; Recover: 60±3°C
	Discharging: 65±3°C; Recover: 60±3°C
Low Temperature Protection	Charging: 0±3°C; Recover: 3±3°C
	Discharging: -20±3°C; Recover: -15±3°C

## Constant Current Discharge Data (Ampere / Battery, 25°C)

Cut-off voltage (10.8V)	1h	2h	3h	5h	10h
	--	100A	66.6A	40A	20A

## Constant Power Discharge Data (Watt / Battery, 25°C)

Cut-off voltage (10.8V)	1h	2h	3h	5h	10h
	--	--	775W	468W	236W