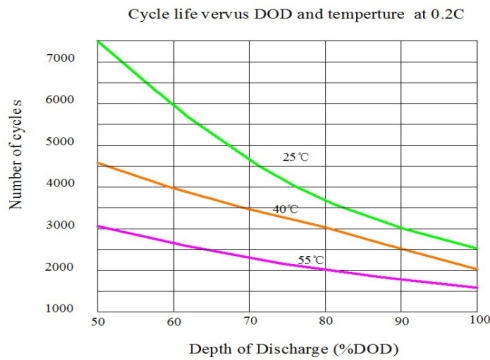


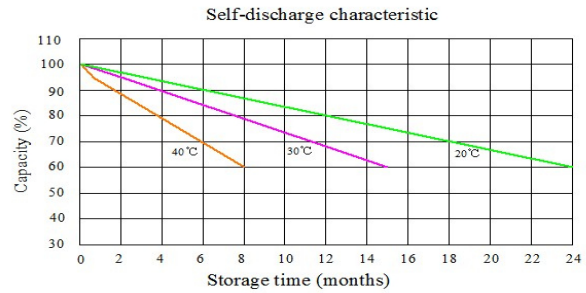
# RPower LFP12500

## (12.8V 50Ah LiFePO4 Battery)

### Cycle life vs. DOD and temperature



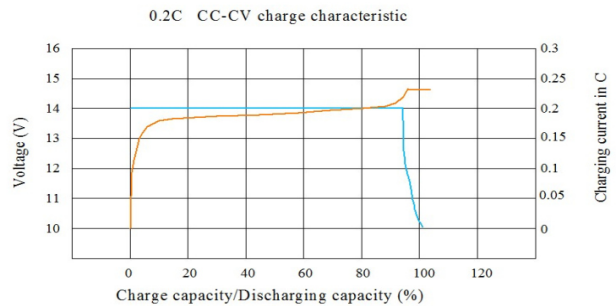
### Self-discharge characteristic



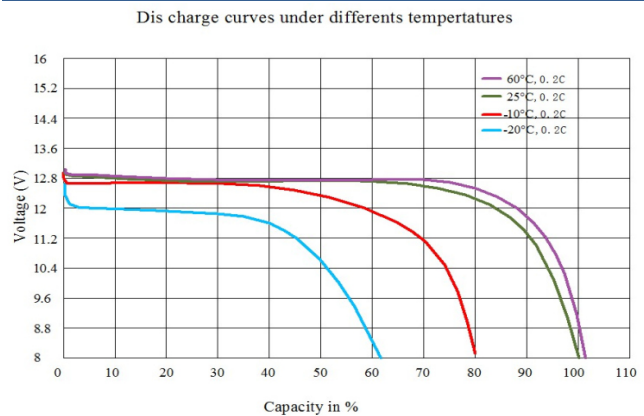
### Specifications

Nominal Voltage		12.8V
Capacity (25°C, 0.2C)		50Ah
Dimensions (±2mm)	Length	229mm (9.02inch)
	Width	138mm (5.43inch)
	Height	208mm (8.19inch)
	Total Height	213mm (8.39inch)
Approx. Weight		8.00kg (17.64lbs)
Terminal		M6
Max. continue charge current		50A
Max. continue discharge current		50A
Max. pulse discharge current		100A (10sec.)
Float charge voltage		13.8V
Voltage window		9.60 to 14.60V
Specific Energy		640Wh
Internal resistance		< 15mΩ
Cycle life (+25°C, 0.2C, 100% DOD)		> 2.500 Cycles
Operating temperature	Discharge	-20°C to 60°C
	Charge	0°C to 60°C
Storage temperature		0°C to 30°C
Storage duration		12 months at 25°C
Safety standard		UL1642 at cell level
IP Degree		IP55

### Constant voltage charge characteristic



### Discharge curves under different temperatures



Can be charged using most standard lead-acid chargers (set for AGM/GEL cells)

Built-in automatic protection for over-charge, over-discharge and over-temperature conditions

Internal cell balancing

Flame retardant plastics

Communication of monitored data via Battery Management System (BMS)

Thousands of cycles, 100% DOD under normal conditions

Maintenance free

Used alone