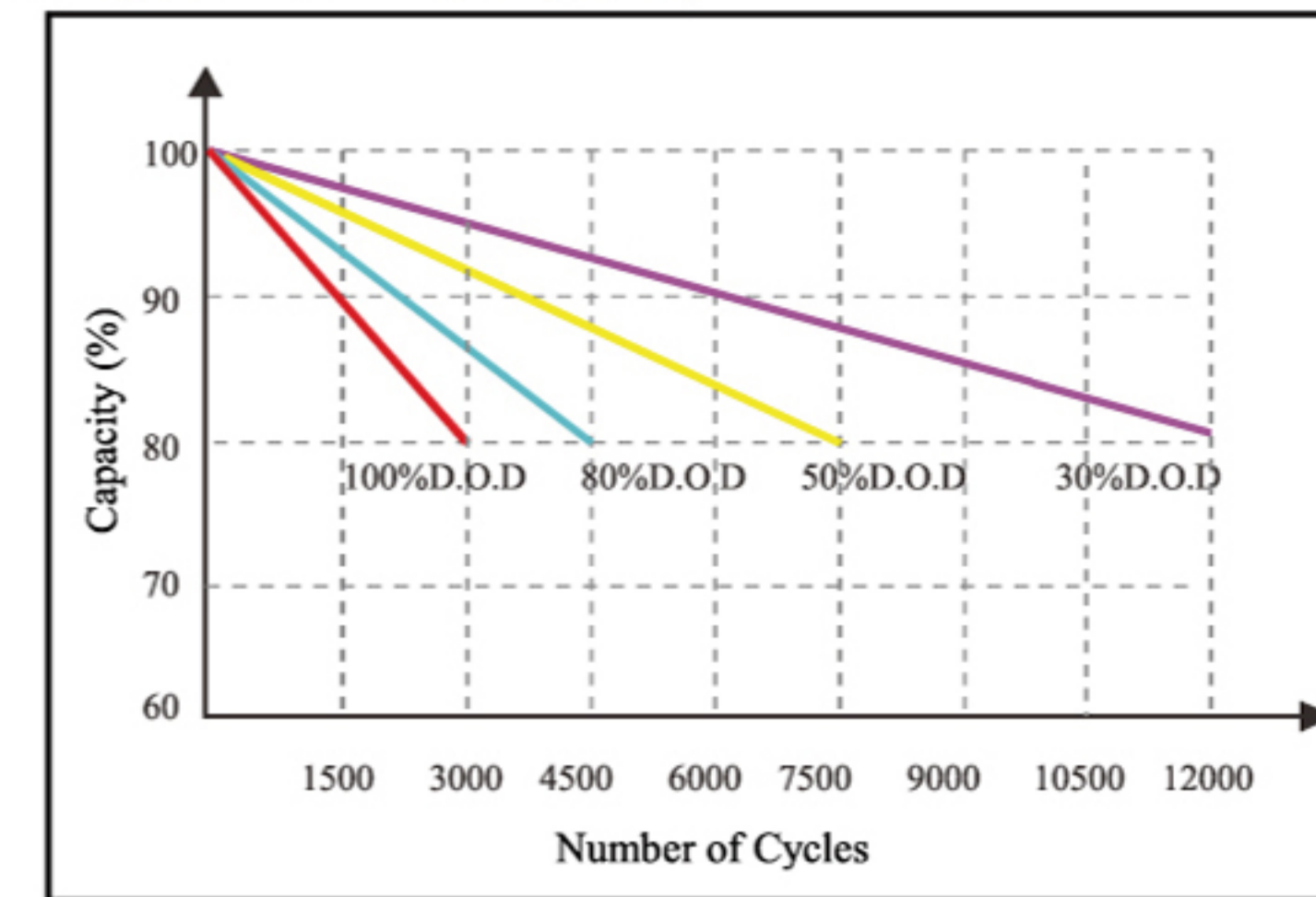


POWER BANK LIFEPO4 BATTERY

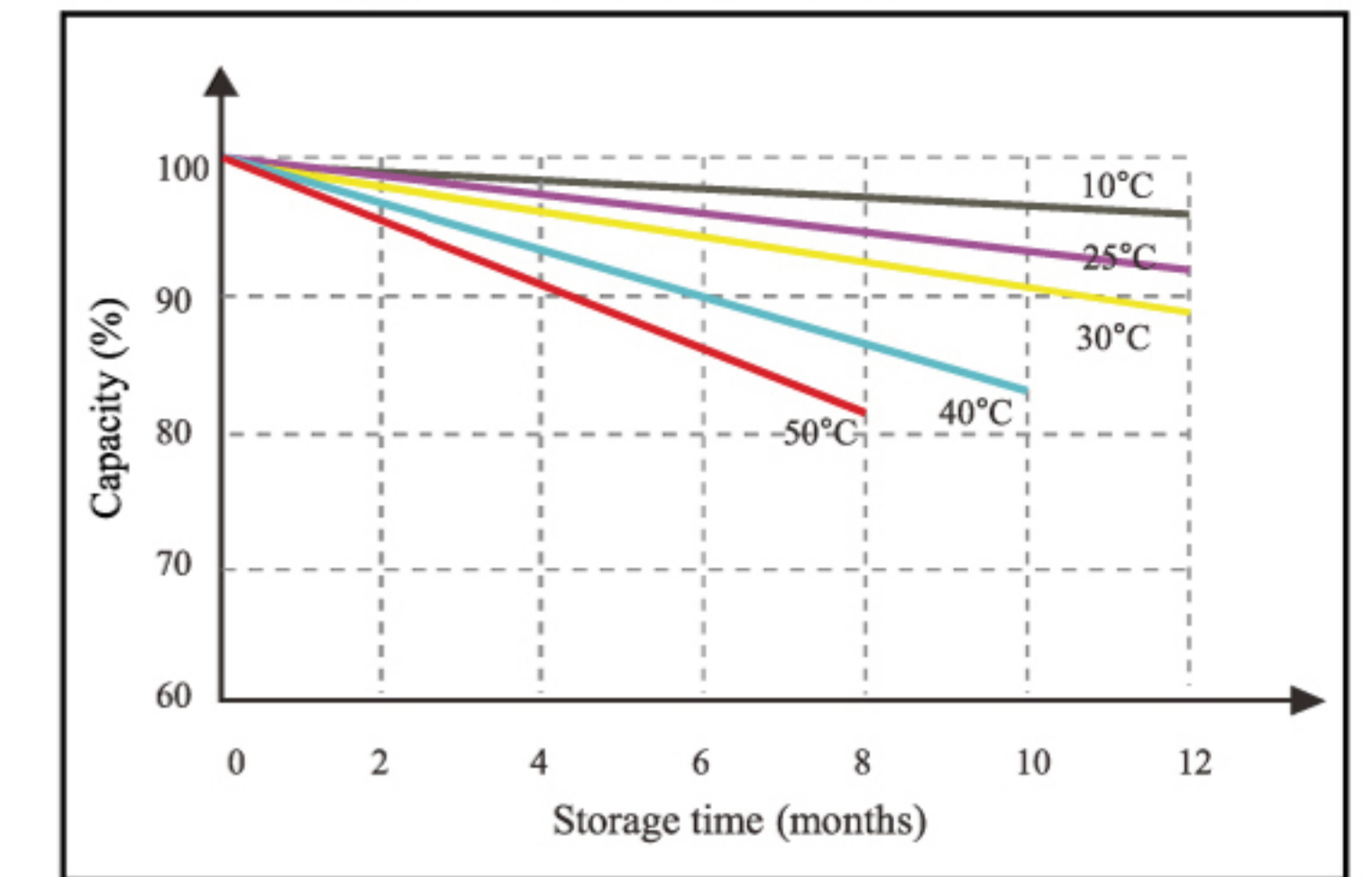
RG-LP48300 SERIES



● Cycle life on D.O.D (25°C)



● Self Discharge Characteristics Curve



Model	RG-LP48300		
Nominal voltage	48V		
Nominal capacity	300Ah		
Dimensions	Length	625±2mm (24.6inch)	
	Width	270±2mm (10.6inch)	
	height	1000±2mm (39.3inch)	
Approx. net weight	138kg (304.2lbs)±2kg		
Approx. gross weight	156kg (343.9lbs)±2kg		
Electrical Parameters (25°C)	Rated Voltage	51.2V	
	Rated Capacity (C ₂₀)	300Ah@25°C	
	Energy	15360Wh	
	Months Self Discharge	<3%	
	Charge Efficiency	99.5%@ 0.2C	
Terminal Diameter	Discharge Efficiency	96-99%@ 1C	
	Terminal Diameter	M8	
Internal resistance (Fully charged, 25°C)	≤200mΩ		
Cycle life	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	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)
Water Dust Resistance	Storage	0°C~ 40°C (32°F ~ 104°F)	
	Water Dust Resistance	IP50	
Charge Voltage	57V		
Standard Charge Mode(25°C±2°C, <75%RH)	0.2CA Constant Current to 57V, then Constant Voltage 57V, until the current drops to 0.02CA, before use, rest 30 minutes		
Charge Current	60A		
Maximum Charge Current	100A		
Charge Cut off Voltage	57V		
Continuous Discharge Current	100A		
Maximum Pulse Current	150A (<1S)		
Discharge Cut Off Voltage	46V		
Communicate Protocol (optional)	RS485/RS232/CAN		
SOC (optional)	Screen/LED/PC Software		
Application connection	1 string 1 parallel		
Mechanical	16 Strings		
Cell	Metal		
The dimension of wooden package (mm)	1060*720*440		

*1 Test conditions: Based on the factory date, charge and discharge rate at 0.2C at 100% discharge depth (DoD) and 25 °C

*2 The weight of the battery module is based on the actual product, with a tolerance of ± 3% allowed

*3 The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance