

STORAGE POWER LIFEPO4 LITHIUM BATTERY

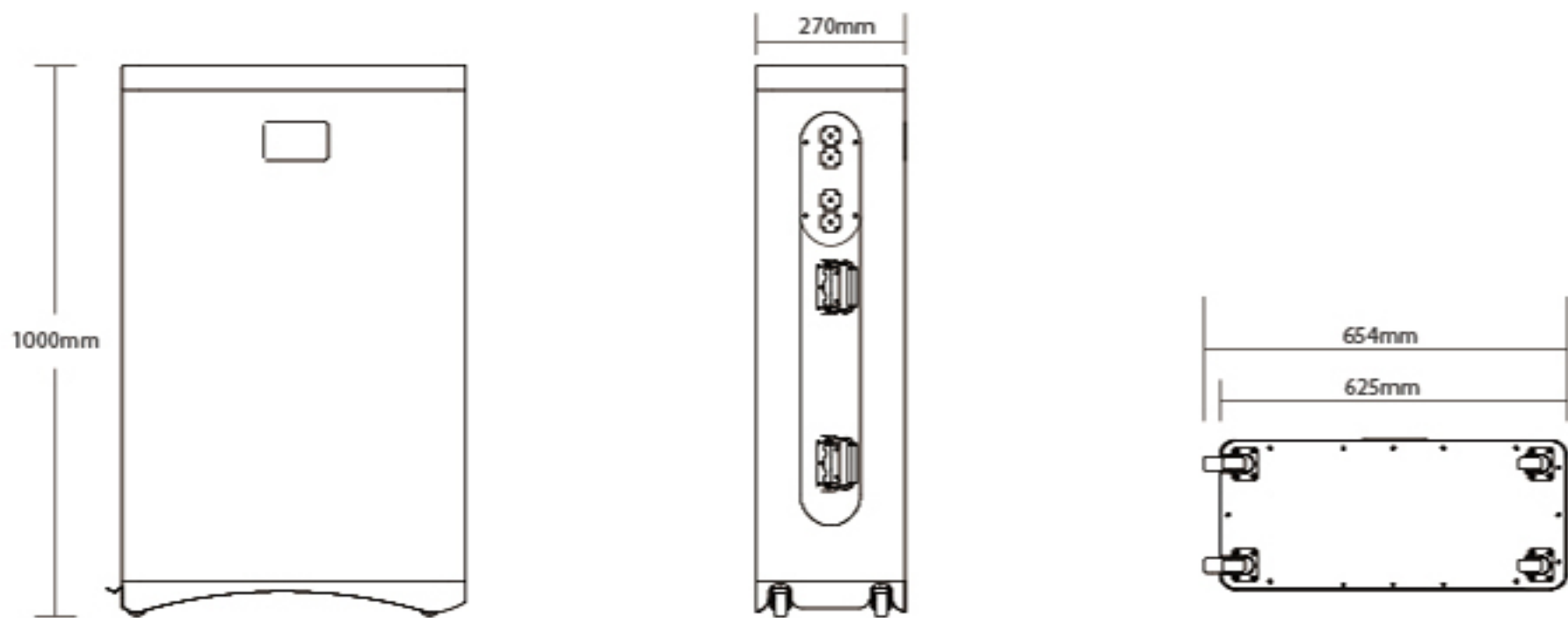
SPECIALIZED FOR SOLAR PV POWER SYSTEM

RG-LB SERIES

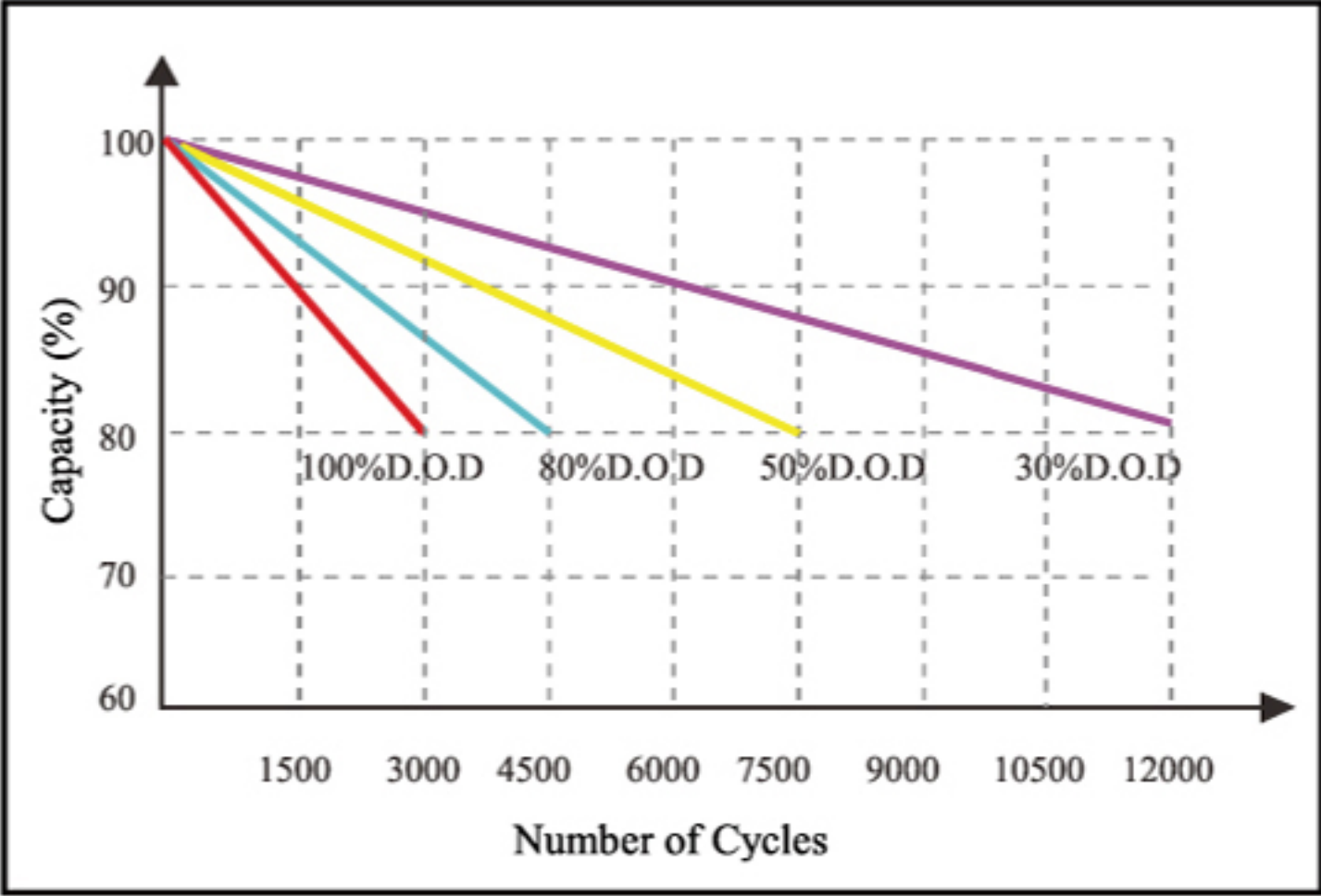


FEATURES

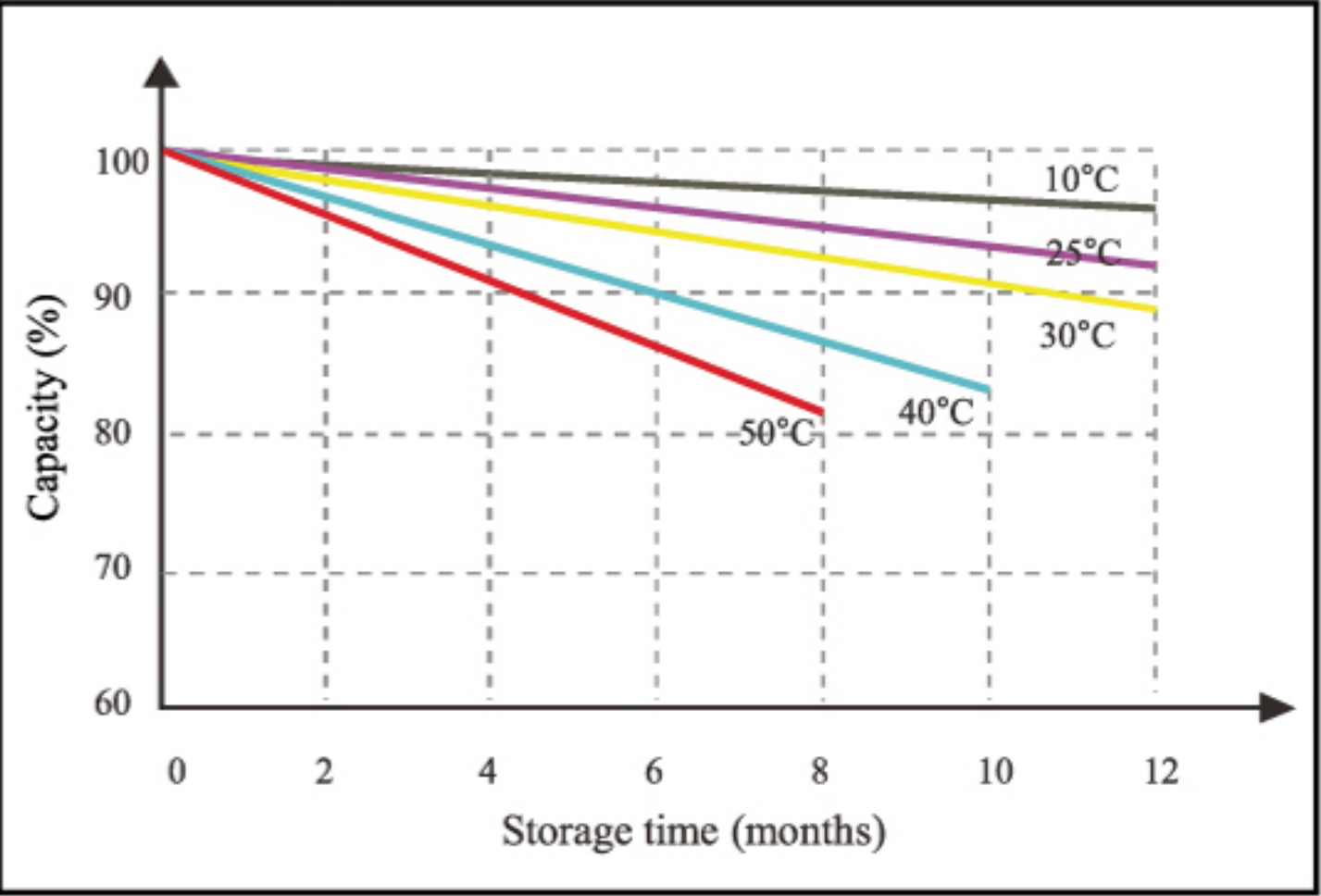
-  **Flexibly and Easy Installation**
wall-mounted or floor-mounted
-  **Easy Management**
Real time online monitoring system battery status, intelligent warning
-  **Strong Compatibility**
Covering all mainstream protocols and matching most mainstream inverters
-  **Long Life**
4 times long static and 8 consistency screening make the battery more durable
-  **Safety & Reliability**
Nano-coating and self-healing technology construct the LFP channel to add a firewall to the battery



● Cycle life on D.O.D (25°C)



● Self Discharge Characteristics Curve



Model	RG-LB51.2V-300AH
Nominal voltage	48V
Nominal capacity	300Ah
Dimensions	Length
	625±2mm (24.6inch)
	Width
height	270±2mm (10.6inch)
	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 ₅)
	300Ah@25°C
	Energy
Terminal Diameter	15360Wh
	Months Self Discharge
	<3%
Internal resistance (Fully charged, 25°C)	Charge Efficiency
	99.5%@ 0.2C
	Discharge Efficiency
Cycle life	96-99%@ 1C
	M8
	≤200mΩ
	>3000 cycles @ 0.2C 100%D.O.D
Capacity affected by temperature	40°C
	101%
	25°C
	100%
Nominal operating temperature	0°C
	90%
	75%
Operating temperature range	-10°C
	25°C±3°C (77°F±5°F)
	-20°C~60°C (-4°F~140°F)
Water Dust Resistance	Discharge
	Charge
	Storage
Charge Voltage	0°C~40°C (32°F~104°F)
Standard Charge Mode(25°C±2°C, <75%RH)	IP50
Charge Current	57V
Maximum Charge Current	0.2CA Constant Current to 57V, then Constant Voltage 57V, until the current drops to 0.02CA, before use, rest 30 minutes
Charge Cut off Voltage	60A
Continuous Discharge Current	100A
Maximum Pulse Current	100A
Discharge Cut Off Voltage	150A (<1S)
Communicate Protocol (optional)	46V
SOC (optional)	RS485/RS232/CAN
Application connection	Screen/LED/PC Software
Mechanical	1 string 1 parallel
Cell	16 Strings
The dimension of wooden package (mm)	Metal
	1060*720*440

*1 Test conditions: Based on the factory data, 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