

# STACKED LITHIUM ENERGY STORAGE BATTERY

SPECIALIZED FOR SOLAR PV POWER SYSTEM

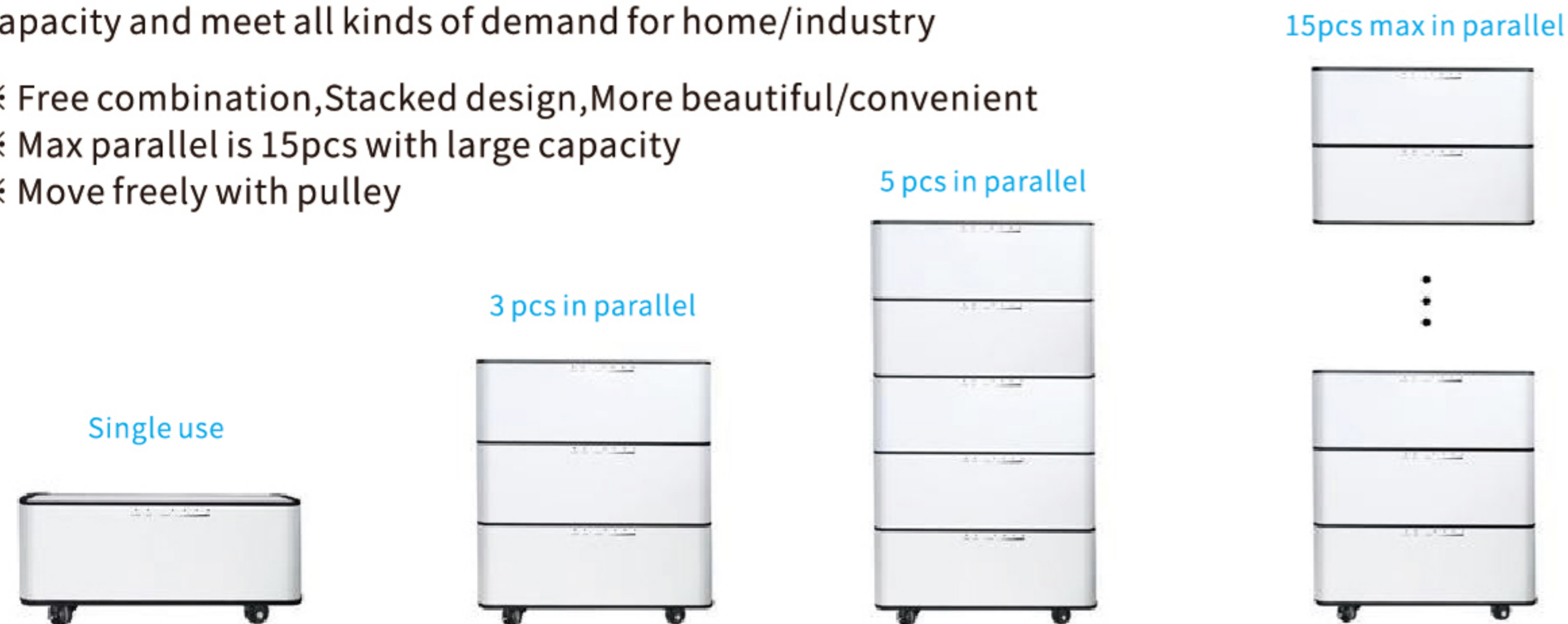
**RGBM SERIES**



## Product introduction:

The SBM stacked lithium energy storage battery use long working life LiFePO4 cell, high performance BMS to protect and manage the battery system. The max parallel is 15pcs, free combination for the capacity and meet all kinds of demand for home/industry

- ※ Free combination, Stacked design, More beautiful/convenient
- ※ Max parallel is 15pcs with large capacity
- ※ Move freely with pulley



## Inverter Products Specification:

Rated Power	5500W	8000W	10000W
INPUT	48VDC		
Voltage	230VAC		
Selectable Voltage Range	170-280VAC(For personal computers);90-280VAC(For home appliances)		
Frequency Range	50Hz/60Hz(Auto sensing)		
OUTPUT			
AC Voltage Regulation(Battery.Mode)	220V/230V/240VAC		
Surge Power	11000W	16000W	20000W
Efficiency(Peak)	Up to 93.5%		
Transfer Time	10ms (For personal computers)		
Waveform	Pure sine wave		
BATTERY			
Battery Voltage	48VDC		
Floating Charge Voltage	54VDC		
Overcharge Protection	63VDC		
Solar Charger & AC charger			
Maximum PV Array Open Circuit Voltage	450VDC		
Maximum PV Array Power	5500W	8000W	10000W
MPPT Range @ Operating Voltage	120-450VDC		
Maximum Solar Charger Current	80A		160A
Maximum AC Charger Current	60A		160A
Maximum Charger Current	80A		160A
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		

## Battery Products Specification:

Model	RGBM-5.12KWH	RGBM-10.24KWH	RGBM-15.36KWH	RGBM-20.48KWH	RGBM-25.6KWH
Single module capacity	5.12KWH				
Module number	1PCS	2PCS	3PCS	4PCS	5PCS
Total capacity	5.12KWH	10.24KWH	15.36KWH	20.48KWH	25.6KWH
Standard voltage	51.2V				
Working voltage	43.2V-57.6V				
Standard discharge current	100A	200A	300A	400A	500A
Standard charge current	50A	100A	150A	200A	250A
Suggested DOD	80%				
Humidity	20%-60%				
Installation	Stacked				
IP rating	IP20				
Communication	CAN/RS485/RS232(WiFi/bluetooth/4G optional)				
Product size/unit	620*550*480mm	620*550*760mm	620*550*1040mm	620*550*1320mm	620*550*1600mm
N.W./unit	50kg	80kg	120kg	150kg	190kg

