

# STACKED LITHIUM ENERGY STORAGE BATTERY

SPECIALIZED FOR SOLAR PV POWER SYSTEM

**RG-DS SERIES**



2658mAh Phone\*4pcs

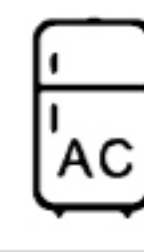


Charging once a day



60W AC Fan

Use 5 hours a day



80W AC Refrigerator

Work 24 hours a day



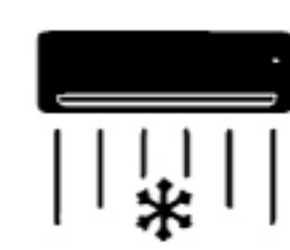
10W LED\*5pcs lamp

Use 6 hours a day



400W AC Washing Machine

Use 0.8 hours a day



1250W\*2pcs AC Air Conditioner

Use 5 hours a day



800W AC Coffee maker

Make 10 cups of coffee



10W TV Set-top Box

Work 24 hours a day



180W LCD TV with stereo

Use 5 hours a day



750W AC Rice cooker

Use 1 hours a day

## Basic parameters of the battery

The machine battery which has high energy density, stable quality and long service life, and can connect multiple battery packs in parallel. According to the power, this machine can be used together with photovoltaic modules and inverters. with built-in BMS protection module. which has multiple protection functions such as over-discharge, over-current, overheating and short circuit.

The stacking method is shown in the following figure:



## Battery Products Specification:

Model	RG-DS6KWH-51.2V
Parallel connection	15 parallel
Battery type	15 strings of lithium iron phosphate
Nominal voltage	51.2V
Battery capacity	6000Wh
Rated output current	150A
Storage temperature range	-25℃~60℃
Dimensions of single battery box(L*W*D)	540mm*550mm*186.5mm
Package size	600mm*590mm*245mm

## Inverter Products Specification:

Model	RG-DSN5KW-51.2V
Rated Power	5000W
<b>INPUT</b>	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(For personal computers);90-280VAC(For home appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation(Battery.Mode)	230VAC±5%
Surge Power	10000VA
Efficiency(Peak)	Up to 93.5%
Transfer Time	10ms (For personal computers);20ms(For home appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48VDC
Floating Charge Voltage	54VDC
Overcharge Protection	63VDC
<b>Solar Charger &amp; AC charger</b>	
Maximum PV Array Open Circuit Voltage	500VDC
Maximum PV Array Power	5500W
MPPT Range @ Operating Voltage	120-450VDC
Maximum Solar Charger Current	80A
Maximum AC Charger Current	60A
Maximum Charger Current	80A
<b>ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10℃ to 50℃
Storage Temperature	-15℃ to 60℃