

INDUSTRIAL & COMMERCIAL HIGH VOLTAGE STORAGE SYSTEM

RG-SC SERIES



Original
Quality Certification
Made By Raggie

- BMS protection
- High power output
- Industrial and commercial energy storage
- Intelligent communication

Product function

- This energy storage cabinet is 60-215kWh class system, using fan/ air-conditioner/liquid cooled lithium iron phosphate battery pack.
- Two-layer BMS battery management system, a comprehensive digital LCD display, you can easily view and manage on the spot.
- Industrial and commercial enterprises, data centers, industrial parks, commercial buildings, large industries, mobile device energy storage, platform expansion, power quality management, etc.
- This storage cabinet is equipped with a 30/50/100kW hybrid inverter, a multifunctional inverter that combines inverter, solar charger, grid charger and lithium battery support.
- The energy storage cabinet is designed in the form of outdoor cabinet, with IP54 protection grade and highly integrated design.
- The cabinet is integrated with auxiliary components such as air-conditioner, liquid cooling system, lighting, power distribution, fire fighting, and environmental event disposal as optional.

Application scenario

- ※ Industrial and commercial enterprises, data centers, industrial parks
- ※ Commercial buildings, large industries, mobile device energy storage
- ※ Platform expansion, power quality management, etc

Model	RG-SC30K/60KWH	RG-SC50K/100KWH	RG-SC100K/215KWH
AC Output Specification			
Rated AC Input/Output Active Power(W)	30000W	50000W	100000W
Peak Power(off grid)	1.5 time of rated power, 10 S		
AC Output Rated Current(A)	45.6A	75.8A	151.6A
Max. AC Current(A)	60A	83.3A	166.6A
Output Frequency and Voltage	50/60Hz:3 L/N/PE 220/380,230/400Vac		
Grid Type	Three Phase		
Total Harmonic Distortion(THD)	< 3% (of nominal power)		
PV Input Specification			
Max. PV Input Power(W)	39000W	65000W	100000W
Max. PV Input Voltage (V)	1000V		
MPPT Range(V)	150-850V		
Start-up Voltage(V)	180V		
Full Load MPPT Voltage Range(V)	360-850V	450-850V	450-850V
Rated PV Input Voltage (V)	600V		
PV Input Current(A)	36+36+36	36+36+36+36	(36+36+36+36)*2
Max.PV Isc(A)	55+55+55	55+55+55+55	(55+55+55+55)*2
No. of MPP Trackers	3	4	4*2
No.of Strings per MPP Tracker	2		
Battery Specification			
Spec Of Each Module	LFP 102.4V 100AH 10.24kWh	LFP 51.2V 200AH 10.24kWh	LFP 153.6V 280AH 43kWh
Module Number	6	10	5
Battery System Capacity	61.44kWh	102.4kWh	215kWh
Battery Voltage Range	537.6V-691.2V	432V-576V	600V-876V
Basic Parameter			
Overall Dimensions (width * depth * Height)	1170*1031*1635mm	1170*1031*1835mm	1500*1550*2300mm
Weight	900KG	1500KG	2430KG
Cooling Mode	Fan cooling, Air-conditioner cooling and Liquid cooling optional		
Class Of Protection	IP54		