



40.96kWh 51.2kWh Lithium Battery Storage For Commercial Industrial

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GK
- Certification: IEC62619 CE UN38.3 MSDS
- Model Number: GKCIE30
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T, T/T



Product Specification

- Nominal Capacity: 40.96kWh/51.2kWh
- Battery Chemistry: LiFePO4
- Cycle Life: >6500 Cycles @25°C, 0.5C
- Max Charge/Discharge Current: 100A
- Rated Voltage: 409V/512V
- Certification: IEC62619, CE, UN38.3, MSDS
- Highlight: **40.96kWh Lithium Battery Storage, 51.2kWh Lithium Battery Storage, Industrial storage for lithium ion batteries**

for more products please visit us on fuhaosolar.com

Product Description

40.96kWh 51.2kWh High-Capacity and Safe Lithium Battery Storage for Commercial Industrial

Product Description

This Commercial & Industrial Energy Storage System (ESS) is designed for high-capacity energy storage solutions with a focus on modularity, safety, and efficiency. It supports both grid-tied and off-grid applications, making it ideal for commercial and industrial environments. The system incorporates advanced Battery Management System (BMS) technology, developed over 10 years, to ensure safe and stable operation. The system is designed to expand up to 130kWh, providing flexible energy storage solutions for businesses with high energy demands.

System Specification	
Nominal Output Power/UPS Power (W)	3000
AC Output Frequency and Voltage	50/60Hz;3L/N/PE 220/380,230/400Vac
Grid Type	Three phase
Energy Configuration(kWh)	40.96 51.2
Dimension (WxDxH)	800*1050*2250mm/55.1*43.3*65 in (no contain inverter)
Weight Appr. (no contain inverter)	650kgs/181 lbs 660kgs /3033 lbs
Max Charge &Discharge Current(A)	47.8
Battery Operating Voltage(V)	100~600
Battery Chemistry	LiFePO4
IP Rating of Enclosure	IP55
System Certification	UN38.3,IEC62619,CE,CEI 0-21,VDE-AR-N 4105,IEC 62109
Installation Style	Floor-Mounted
Warranty	10 years

Inverter Technical Specification	
Max.PV Input Power (W)	39000
Max.PV InputCurrent (A)	36+36+36+36
Rated PV Input Voltage (Vdc)	600
Start Up DC Voltage(Vdc)	180
MPPT Voltage Range(Vdc)	150-850
Max.PV Short-circuit Current(A)	55+55+55
Number of MPPI	3
Peak Power (off grid)	1.5 time of rated power,10s
Power Factor	0.8 leading to 0.8 lagging
THD	<3%
DC injection current(mA)	<0.5In
Display LCD	
Operating Temperature Range(°C)	-40~60(>45°C derating)
Relative Humidity	15% 85%(No Condensing)
Dimension (WxDxH,mm)	420x233x670
Inverter Communication	CAN,RS485,WIFI,ETH
Safety EMC/Standard	IEC/EN62109-1,IEC/EN 62109-2,IEC/EN,61000-6-1,IECEN 61000-6-2,IEC/EN61000-6-3,IEC/EN61000-6-4
Grd Regulation	VDE4105,IEC61727/62116,VDE0126,AS4777.2,CEI021,EN50549-1,G98,G99,C10-1,UNE217002,NBR16149/NBR16150
Max,Efficiency 97.6%	
Max.charging/discharging efficiency	91%
Max Parallel connection sets	10

Battery Technical Specification		
Battery Module		
Nominal Voltage(V)	409	512
Battery Capacity (Ah)	100	
Battery Energy (kWh)	40.96	51.2
BMS Communication	CAN	
BMS parallel support connection	3sets(Standard),32 sets(Extra BAU module)	
Max Charge &Discharge Current(A)	100	

Operating Temperature Range	Charge:0~55°C/Discharge:-20°C~55°C	
Cycle Life	>6500(@25°C±2°C,0.5C/0.5C,70%EOL)	
Short Circuit Protection	YES	
Over Current Protection	YES	
Over Charge Protection	YES	
Over Temperature Protection	YES	
Cell Over Voltage Protection	YES	
Cell Over Under Protection	YES	
Cell Discharge Protection	YES	

Application

This ESS is ideal for large-scale commercial and industrial energy storage applications. It is suitable for facilities requiring reliable energy backup, peak shaving, or load management. Common use cases include microgrids, commercial buildings, data centers, and manufacturing plants that require a stable and scalable energy storage solution.

Shipping Methods

Supports global air and sea shipping.



RICHGOOD ENERGY CO.,LTD



willa@fuhaosolar.com



fuhaosolar.com

Rm3810 Baoli E Building Pa Zhou Haizhu district Guangzhou