



## IP31 Portable Backup Battery 48v 3KW Emergency Inverter Battery

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN38.3
- Model Number: QESD3K-48
- Minimum Order Quantity: 10
- Price: USD/CNY, Unit
- Packaging Details: Carton packing
- Delivery Time: 1-2 months
- Supply Ability: 500 set per month



### Product Specification

- Usage: Emergency
- Maintenance Type: Maintenance-free
- Voltage: 51.2v
- Nominal Capacity: 100AH
- Warranty: 3years
- Color: Black,Grey
- Application: Outdoor Back Up Power/Energy Storage / Electrical System
- Terminal: Cooper
- Product Name: Portable Backup Emergency Power
- Design Life: 8-10 Years
- Oem Order: Acceptable
- Highlight: **IP31 Portable Backup Battery ,  
48V emergency inverter battery ,  
3KW emergency inverter battery**

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## Product Description

### Product Features

Compact integration design, convenient for movement and handling;  
 With power and battery capacity parallel function;  
 Temperature, overload, over voltage, over current, short circuit protection function;  
 Overload, over temperature, restart after short circuit function;  
 Compatible with UPS and inverter, wide application range;  
 Strong load capability, can be used for electric saws and other tools load;  
 Has pv charging function, can be used outdoors for a long time;  
 Use lithium iron phosphate batteries, high safety performance, with UL, CE certification;  
 Applicable for household and outdoor, can be used as UPS power and photovoltaic inverter, switch time less than 10 ms;  
 Can be used with generator, super wide voltage input range of 90 ~ 280 vac.  
 48 v dc output;

Model	HW3K5000-220	HW5K5000-220	HW5000-51.2
Rated power	3KW	5KW	-
System power parallel	-	Yes	-
Grid input			
Input voltage / no. of phases	Single phase 3 wire (L+N+PE),220/230/240VAC		-
Input voltage range	90~300VAC		-
Input frequency range	50/60HZ±5		-
AC output			
Output voltage/no. of phases	Single phase 3 wire(L+N+PE),220/230/240VAC		-
Output voltage accuracy / frequency	±1% / 50, 60HZ		-
Output wave	Pure sine		-
Output distortion	<5%(linear load), <8% (non-linear load)		-
Overload capacity	3min@105%~125% rated load, 10s@125%~150% rated load, 0.2S@>200% rated load,		-
PV input			
PV charging mode	MPPT		-
PV Max power	1500	4000	-
PV voltage accuracy	±2VDC		-
PV standard/max voltage	30~115/145VDC	120~420/450VDC	-
PV max charging current	60A	80A	-
Battery			
Battery type	LifePO4		
Battery capacity	3840WH	5120WH	5120WH
Charging voltage	28.8VDC	57.6VDC	57.6VDC
Grid charging time	3 hours	3 hours	2 hours
Battery parallel function	Yes	Yes	Yes
System			
Efficiency	93%	94%	-
Working temperature/humidity	-10~45℃/0~95% without condensation		
IP level	IP31		
Display	LCD		LED
Noise	<50dB		0
Structure	Lever & wheels, luggage design		
Dimension mm	520*310*660	520*310*660	520*185*560



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