



1KW 220V UPS Battery System Hybrid UPS System LiFePo4 Lithium Battery Uninterrupted Power Supply

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN38.3
- Model Number: UPJ1KDD-220
- Minimum Order Quantity: 10
- Price: USD/CNY, Unit
- Packaging Details: wooden case
- Delivery Time: 1-2 months
- Payment Terms: L/C, T/T
- Supply Ability: 500 set per month



Product Specification

- Battery Type: LFP Battery
- Rated Power: 1-10KW
- Power Factor: 0.9
- Frequency: 45~60Hz
- Rated Voltage: 220/230/240VAC
- Voltage Range: 140~295VAC
- No. Of Phases: Single Phase 3 Wire
- Efficiency: >96%
- Battery Voltage: 38.4-51.2VDC
- Life Cycle: 3000 Times
- Installation: Rack/tower
- Application: UPS System, Back Up Power
- OEM/customization: Acceptable
- Highlight: **220V UPS Battery System,
1kw hybrid ups system,**

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Product Description

Output power factor as high as 0.9, load ability;

Efficiency above 95%;

Use DSP digital control technology, pure sine wave power supply is stable and reliable;

Use high stability of the lithium iron phosphate batteries, safe and reliable;

Lithium battery management solutions for special purpose, with triple loop over voltage protection, preset temperature, pressure switch interface;

Wide working temperature range, the discharge temperature range can reach to -20 °C to 50 °C;

90 ~ 300 v ultra-wide input voltage and 40 ~ 70 hz frequency, wide frequency can be set for generator application;

Charger current range adjustable;

Intelligent configuration, supports output for transformer voltage compensation;

RS485, RS232, communication function;

Model	UPJ1KDD- 220-36	UPJ2KDD- 220-48	UPJ3KDD- 220-48	UPJ6KDD- 220-48	UPJ10KDD- 220-192
Power KVA/KW	1/0.9	2/1.8	3/2.7	6/5.4	10/9
Input					
Rated voltage	220/230/240VAC(configurable)				
Voltage range	140~295±5VAC(100%),90~140VAC (50%)				
Frequency	45~60HZ				
Power factor	0.99				
Standard current	4A	9A	13A	27A	45A
Harmony wave distortion	≤6%			≤5%	
Output					
No of phases	Single phase 3 wire L+N+PE				
Rated voltage	220/230/240VAC(configurable)				
Voltage accuracy	±1%				
Output frequency accuracy	Grid input mode:Sync with bypass input ; Battery mode:50/60Hz±1%				
Output power factor	0.9				
Total voltage harmony wave distortion	Linear load<3%,non-linear load<5%				
Load peak ratio	3:1				
Overload capacity: Grid input	Continuous <110%,110~130% for 1min,130~150% for 10S, 150% and above for 200ms				
Overload capacity: battery	Continuous <105%,105~130% for 1min,130~150% for 3S, 150% and above for 200ms				
System					
System efficiency	Online>90%,ECO>94%			Online>92%,ECO>96%	
Replace time	0ms				
Communication	RS232(standard),optional:USB, SMNP, RS485, dry contact				
Display	LCD				
Battery					
DC voltage	36	48	48	48	192
Battery (LFP)	38.4V6AH	51.2V12AH	51.2V18AH	51.2V30Ah	-
Battery structure	Rack/tower			Tower	-
Continuous charging current	4~8A		10~40A		4~12A
Rack size	482*320*86	482*430*86	480*450*132	480*450*86	482*420*86
Tower size	300*145*232	380*190*232	412*190*220	460*190*310	-
Work/test temperature	-10~45°C/-25~55°C				
Noise	<50dB				



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