

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## LIFEBOAT AND RESCUE BOAT ACCESSORIES

# CUHD-A11/302II-2 Marine AC Uninterruptible Power Supply

ISO9001 Supplier

Class Certificate

Export Supply

CUHD-A11/302II-2 Marine AC uninterruptible power supply: This series of products comply with the specifications and standards of domestic and international marine industry related electrical equipment. On-li...



### Key Highlights

<b>Category</b>	Lifeboat And Rescue Boat Accessories
<b>Standard</b>	ISO
<b>Weight / Size</b>	This series of products can provide all elements of function, size and i...
<b>Certificate</b>	CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



**Technical Specifications**

<b>Category</b>	Lifeboat And Rescue Boat Accessories	<b>Model / SKU</b>	CUHD-A-302-2-Marine-AC-Uninterruptible-Power-Supply
<b>Standard</b>	ISO	<b>Weight / Size</b>	This series of products can provide all elements of function, size and installation.

**Surface**

Model 1KVA 2KVA 3KVA 6KVA  
 10KVA 15KVA 20KVA 25KVA  
 30KVA Operation mode Double  
 conversion online Isolation method  
 Transformer isolation Capacity  
 (KW) 0.8 1.6 2.4 4.8 8 12 16 20 24  
 Input Rated voltage  
 ( 110VAC/220VAC/380VAC/440V  
 AC Can choose) $\pm 20\%$  Rated  
 frequency 50HZ/60HZ Phase  
 Single-Phase Bypass Conversion  
 method Automatic and manual  
 switching Output Phase Single-  
 Phase Power factor 0.8 Voltage  
 accuracy  
 ( 110VAC/220VAC/380VAC/440V  
 AC可以选择) $\pm 2\%$  Rated frequency  
 105%~150%时 30S To bypass  
 mode , > 150%时 300ms Bypass  
 and alarm Rated frequency  
 50HZ/60HZ Output waveform Pure  
 sine wave Peak load ratio 3:1%  
 Switching time Bypass cut  
 inverter :  $\leq 4\text{ms}$  Boat cut battery :  
 0ms 0ms Harmonic distortion  
 (Linear load $\leq 3\%$  ; Non-linear  
 load $\leq 5\%$  Features Protection Input  
 under-voltage, input over-current,  
 input over-temperature, input over-  
 current, input short-circuit  
 protection Communication  
 Standard RS232, optional RS485  
 Dry contact Main power supply,  
 battery discharge, bypass power  
 supply, low battery, low insulation,  
 ESD battery trip, UPS system  
 failure, maintenance bypass,  
 public alarm Meter Output voltage,  
 output current, output insulation  
 meter Instruction Operating status  
 indication, sound and light alarm,  
 mute Charge Charging mode  
 Constant current first, then  
 constant voltage Recharging  
 current 0.1C~0.15C(Adjust  
 according to battery capacity  
 setting ) Charging time  $\leq 10$  Hours  
 Battery Type of battery Sealed  
 lead-acid surface maintenance  
 battery Battery voltage 24VDC  
 48VDC 72VDC 192VDC 216VDC  
 Battery capacity 2x60AH 4x50AH

**Certificate**

CCS

6x50AH 16x38AH Based on customer's needs Backup time  $\geq 30$  Minutes ( Can be customized ) Structure Box size (WxDxH)mm 550x320x550 600x600x1600 500x250x650 800x700x2000 800x800x2000 Weight (kg) 81 210 246 495 325 446 468 539 586 Installation method Wall-mounted Floor-standing Protection class IP22/IP23/(IP44 Can be customized ) Cabinet color RAL7035(Other colors can be customized ) Environmental parameters Operating ambient temperature  $-0^{\circ}\text{C}\sim+50^{\circ}\text{C}$  Operating environment humidity 0~95% ( Non-condensing ) Cooling method Forced air cooling Standards and certifications Standard CCS GD22-2015、IEC62040、IEC61000、IEC60068-2 Certification CCS Type approval Model 6KVA 10KVA 15KVA 20KVA 25KVA 30KVA 40KVA Operation mode Double conversion online Isolation method Transformer isolation Capacity (KW) 4.8 8 12 16 20 24 32 Input Rated voltage ( 110VAC/220VAC/380VAC/440V AC Can choose) $\pm 20\%$  Rated frequency 50HZ/60HZ Phase Single-Phase Bypass Conversion method Automatic and manual switching Output Phase Single-Phase Power factor 0.8 Voltage accuracy ( 110VAC/220VAC/380VAC/440V AC Can choose) $\pm 2\%$  Rated frequency 105%~150%时 30S To bypass mode , > 150%时 300ms Bypass and alarm Rated frequency 50HZ/60HZ Output waveform Pure sine wave Peak load ratio 3:1% Switching time 0ms Harmonic distortion (Linear load $\leq 3\%$  ; Non-linear load $\leq 5\%$  Features Protection Input under-voltage, input over-current, input over-temperature, input over-

<p>current, input short-circuit protection Communication Standard RS232, optional RS485, SNMP card Dry contact Main power supply, battery discharge, bypass power supply, low battery, low insulation, ESD battery trip, UPS system failure, maintenance bypass, public alarm Meter Output voltage, output current, output insulation meter Instruction Operating status indication, sound and light alarm, mute Charge Charging mode Constant current first, then constant voltage Recharging current 0.1C~0.15C(Adjust according to battery capacity setting ) Charging time ≤10 hours Battery Type of battery Sealed lead-acid surface maintenance battery Battery voltage 192VDC 216VDC Backup time ≥30 Minutes ( Can be customized ) Structure Box size (WxDxH)mm 650x700x2000 800x700x2000 800x800x2000 Weight (kg) 501 331 452 474 545 595 706 Installation method Floor-standing Protection class IP22/IP23/(IP44 Can be customized ) Cabinet color RAL7035(Other colors can be customized ) Environmental parameters Operating ambient temperature -0°C~+50°C Operating environment humidity 0~95% ( Non-condensing ) Cooling method Forced air cooling Standards and certifications Standard CCS GD22-2015、 IEC62040、 IEC61000、 IEC60068-2 Certification CCS Type approval</p>	
<p><b>Warranty</b> 12 Months unless specified otherwise</p>	<p><b>Origin</b> China</p>

<p><b>CONTENTS</b></p>	<p>■ CUHD-All/302II-2 Marine AC uninterruptible power supply:</p>	<p>■ Technical data:</p>
------------------------	---	--------------------------



## CUHD-All/302II-2 Marine AC uninterruptible power supply:

This series of products comply with the specifications and standards of domestic and international marine industry related electrical equipment.

On-line double conversion design provides the best power supply quality and protection for the load.

1. Adopt DSP digital control technology, fast control response and high reliability.
2. Built-in isolation transformer design, strong shock resistance, can effectively suppress high frequency noise and ensure reliable operation of the load; isolate dangerous voltages to ensure personnel safety
3. The structure adopts the forward wind and the wind, and the front maintenance design makes testing and maintenance more convenient.
4. Intelligent heat dissipation design: The fan automatically matches the speed with the load, effectively reducing noise and extending the life of the fan.
5. Multiple passive dry contact outputs can monitor all states that may occur during UPS operation.
6. All-round protection function: with input overvoltage and undervoltage, phase loss, output overload, short circuit, battery overvoltage, overtemperature and other protection functions.
7. Rich intelligent communication interface: RS232, RS485, SNMP intelligent slot.
8. This series of products can provide all elements of function, size and installation.
9. All series of AC UPS power supplies have been approved by China Classification Society.

## Technical data:

Model		1KVA	2KVA	3KVA	6KVA	10K VA	15K VA	20K VA	25K VA	30K VA
Operation mode		Double conversion online								
Isolation method		Transformer isolation								
Capacity (KW)		0.8	1.6	2.4	4.8	8	12	16	20	24
Input	Rated voltage	( 110VAC/220VAC/380VAC/440VAC Can choose) $\pm$ 20%								
	Rated frequency	50HZ/60HZ								
	Phase	Single-Phase								
Bypass	Conversion method	Automatic and manual switching								

Output	Phase	Single-Phase									
	Power factor	0.8									
	Voltage accuracy	( 110VAC/220VAC/380VAC/440VAC可以选择)±2%									
	Rated frequency	105%~150%时 30S To bypass mode , > 150%时 300ms Bypass and alarm									
	Rated frequency	50HZ/60HZ									
	Output waveform	Pure sine wave									
	Peak load ratio	3:1%									
	Switching time	Bypass cut inverter : ≤4ms				0ms					
		Boat cut battery : 0ms									
Harmonic distortion	(Linear load≤3% ; Non-linear load≤5%)										
Features	Protection	Input under-voltage, input over-current, input over-temperature, input over-current, input short-circuit protection									
	Communication	Standard RS232, optional RS485									
	Dry contact	Main power supply, battery discharge, bypass power supply, low battery, low insulation, ESD battery trip, UPS system failure, maintenance bypass, public alarm									
	Meter	Output voltage, output current, output insulation meter									
	Instruction	Operating status indication, sound and light alarm, mute									
Charge	Charging mode	Constant current first, then constant voltage									
	Recharging current	0.1C~0.15C(Adjust according to battery capacity setting )									
	Charging time	≤10 Hours									
Battery	Type of battery	Sealed lead-acid surface maintenance battery									
	Battery voltage	24VDC	48VDC	72VDC	192VDC	216VDC					
	Battery capacity	2x60AH	4x50AH	6x50AH	16x38AH	Based on customer's needs					
	Backup time	≥30 Minutes ( Can be customized )									
Structure	Box size (WxDxH)mm	550x320x550	600x600x1600		500x250x650	800x700x2000			800x800x2000		
	Weight (kg)	81	210	246	495	325	446	468	539	586	
	Installation method	Wall-mounted		Floor-standing							
	Protection class	IP22/IP23/(IP44 Can be customized )									
	Cabinet color	RAL7035(Other colors can be customized )									

Environmental parameters	Operating ambient temperature	-0°C~+50°C
	Operating environment humidity	0~95% ( Non-condensing )
	Cooling method	Forced air cooling
Standards and certifications	Standard	CCS GD22-2015、 IEC62040、 IEC61000、 IEC60068-2
	Certification	CCS Type approval

Model		6KVA	10KVA	15KVA	20KVA	25KVA	30KVA	40KVA
Operation mode	Double conversion online							
Isolation method	Transformer isolation							
Capacity (KW)	4.8	8	12	16	20	24	32	
Input	Rated voltage	( 110VAC/220VAC/380VAC/440VAC Can choose)±20%						
	Rated frequency	50HZ/60HZ						
	Phase	Single-Phase						
Bypass	Conversion method	Automatic and manual switching						
Output	Phase	Single-Phase						
	Power factor	0.8						
	Voltage accuracy	( 110VAC/220VAC/380VAC/440VAC Can choose)±2%						
	Rated frequency	105%~150%时 30S To bypass mode , > 150%时 300ms Bypass and alarm						
	Rated frequency	50HZ/60HZ						
	Output waveform	Pure sine wave						
	Peak load ratio	3:1%						
	Switching time	0ms						
	Harmonic distortion	(Linear load≤3% ; Non-linear load≤5%						
Features	Protection	Input under-voltage, input over-current, input over-temperature, input over-current, input short-circuit protection						
	Communication	Standard RS232, optional RS485, SNMP card						
	Dry contact	Main power supply, battery discharge, bypass power supply, low battery, low insulation, ESD battery trip, UPS system failure, maintenance bypass, public alarm						
	Meter	Output voltage, output current, output insulation meter						
	Instruction	Operating status indication, sound and light alarm, mute						

Charge	Charging mode	Constant current first, then constant voltage						
	Recharging current	0.1C~0.15C(Adjust according to battery capacity setting )						
	Charging time	≤10 hours						
Battery	Type of battery	Sealed lead-acid surface maintenance battery						
	Battery voltage	192VDC				216VDC		
	Backup time	≥30 Minutes ( Can be customized )						
Structure	Box size (WxDxH)mm	650x700x2000		800x700x2000			800x800x2000	
	Weight (kg)	501	331	452	474	545	595	706
	Installation method	Floor-standing						
	Protection class	IP22/IP23/(IP44 Can be customized )						
	Cabinet color	RAL7035(Other colors can be customized )						
Environmental parameters	Operating ambient temperature	-0°C~+50°C						
	Operating environment humidity	0~95% ( Non-condensing )						
	Cooling method	Forced air cooling						
Standards and certifications	Standard	CCS GD22-2015、 IEC62040、 IEC61000、 IEC60068-2						
	Certification	CCS Type approval						