LIFEBOAT AND RESCUE BOAT ACCESSORIES

CDHD-20/60A Marine Battery Charger

ISO9001 Supplier

Class Certificate

Export Supply

Description: CDHD-20/60A Marine Battery Charger is a switching power supply multifunctional charging power supply using high frequency PWM or PFM modulation technology, with IGBT, field effect power tube and pul...



Key Highlights

Category	Lifeboat And Rescue Boat Accessories
Standard	DIN
Weight / Size	1. Eliminating the bulky and noisy power frequency transformer, t...
Certificate	CCS

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

Technical Specifications

Category	Lifeboat And Rescue Boat Accessories	**Model / SKU**	CDHD-20-60A-Marine-Battery-Charger
Standard	DIN	**Weight / Size**	1. Eliminating the bulky and noisy power frequency transformer, the weight of the whole machine is only a quarter of the thyristor charging power supply.
Certificate	CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

CONTENTS

- Description:
- Technical data:

Description:

CDHD-20/60A Marine Battery Charger is a switching power supply multifunctional charging power supply using high frequency PWM or PFM modulation technology, with IGBT, field effect power tube and pulse width or frequency modulation integrated controller as the main components.

1. Eliminating the bulky and noisy power frequency transformer, the weight of the whole machine is only a quarter of the thyristor charging power supply.

2. The power supply is provided with multiple functional module options. The whole machine adopts intelligent cooling, which can ensure the reliable operation of the power supply even in the high temperature cabin.

3. This charging power supply is a three-stage automatic charging power supply (constant current equalization charging --- constant voltage equalization charging --- floating charging). The entire process of charging the battery is first entered into equalization charging, and the constant current is automatically completed first, and then constant voltage , When the current drops to near zero, the balanced charging is completed, so that it (manual or automatic) will be transferred to "floating charging" to trickle to maintain the battery in a fully charged state.

4. CDHD series marine charging power supply has type approval certificate issued by China Classification Society.

Technical data:

Specifications（Output current）			20~30A	40~60A
Input	Rated voltage		Single-phase 220VAC、Three-phase 380VAC、Three-phase 440VAC	Single-phase 220VAC
	Input range		Rated voltage ±15%	
	Input frequency		45~65HZ	
	Efficiency		≥87%	
	Maximum current	Single-phase 220	＜4.5A	＜8A
		Three-phase 380	＜2A	/
		Three-phase 440	＜2A	/
Output	Floating voltage		26.4VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)	
	Average voltage		28.2VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)	
	Average floating charge conversion current		Rated output current 10%±1A	
	Regulation accuracy		±1%	
	Output ripple and noise		VPP≦300mV	

Function	Alarm and protection functions	Input under voltage protection, input over voltage protection, output under voltage warning, output over voltage protection, output short circuit protection, output over current protection
	Standard functions	Public warning, fault passive dry contact port (contact limit specification: 32V / 1A)
	Optional functions	Input instructions, work instructions, fault instructions, current regulation
Working environment	Operating temperature	-15℃~+55℃
	Storage temperature	-25℃~+85℃
	Relative humidity	0~95% (Non-condensing)
	Atmospheric pressure	70kPa~106kPa
	Cooling method	Air-cooled
Standard range	Safety	IEC61000-4-2、IEC61000-4-3、IEC61000-4-4、IEC61000-4-5、IEC61000-4-6、IEC60092-101、IEC60068-2-11
	Conduction, radiation	CISPR16、EN55022
	Certification	CCS Type approval
Others	Size (WxDxH) mm	225x310x78
	Weight	5kg
	Installation method	Wall mounted installation