LIFEBOAT AND RESCUE BOAT ACCESSORIES

HDC20-24S20 Marine Battery Charger

ISO9001 Supplier

Class Certificate

Export Supply

Description: This series of products meet the specifications and requirements for the use of electrical equipment related to international and domestic navigation vessels.   1. The co...



Key Highlights

Category	Lifeboat And Rescue Boat Accessories
Standard	DIN
Weight / Size	32V / 1A), automatic parallel current sharing, non-standard Modbus-RTU48...
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**	HDC20-24S20-Marine-Battery-Charger
Standard	DIN	**Weight / Size**	32V / 1A), automatic parallel current sharing, non-standard Modbus-RTU485 communication Optional functions Remote power on / off, remote manual charging, remote manual equalization, standard Modbus-RTU485 communication, external battery temperature compensation, automatic battery identification function Indication and adjustment 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 65x147x180 Weight 1.4kg Installation method Baseplate installation
Certificate	CCS	**Warranty**	12 Months unless specified otherwise
Origin	China		

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Description:

This series of products meet the specifications and requirements for the use of electrical equipment related to international and domestic navigation vessels.

1. The combination of software and hardware is adopted for more accurate voltage and current control.

2. Comprehensive protection functions, including input under-voltage, over-voltage protection, output over-voltage protection, output short-circuit protection, over-temperature protection, etc.

3. The power supply has anti-backflow and automatic battery recognition functions. It can adjust its output voltage by detecting the battery voltage at the output end, and supports automatic conversion between 12V and 24V. Identify the battery voltage).

4. User-friendly battery maintenance, three-phase automatic charging (constant current equalization charge-constant voltage equalization charge-floating charge), the cycle of equalization charge and floating charge (1 to 99 days) can be set, the factory default is 15 days.

In order to meet the special needs of customers, special function modules can be selected, such as: remote power on / off, remote manual equalization, remote manual forced charging, 485 communication (non-standard Modbus-RTU485 communication), battery temperature compensation (external temperature) (The probes only support PT100 by default).

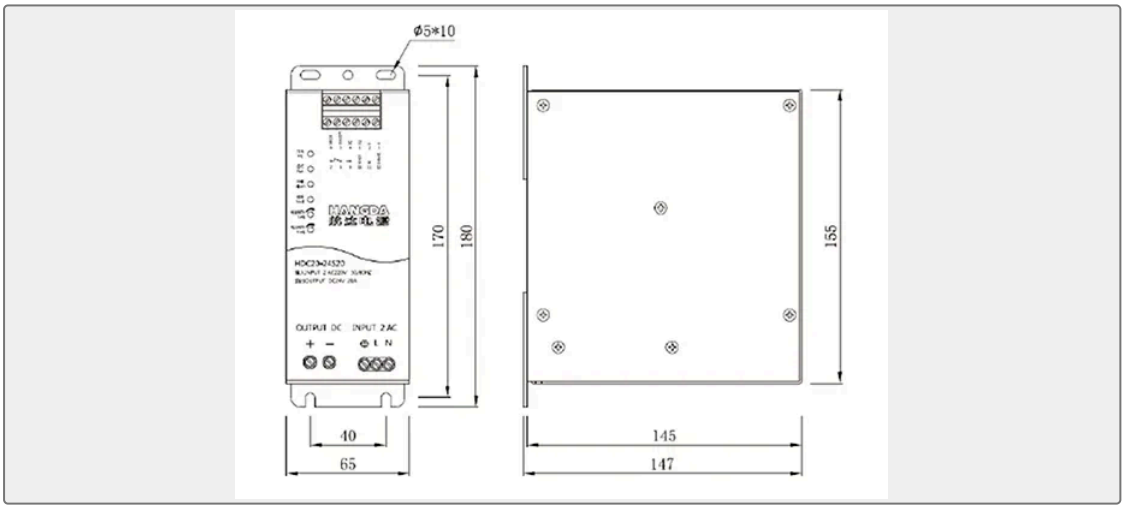
It can be used in conjunction with our parallel monitoring module to achieve standard Modbus-RTU485 communication, status monitoring and some parameter adjustment.

Can be used with our battery monitoring module.

Multiple units can be connected in parallel, and automatic current sharing can be achieved when multiple units are connected in parallel.

High power density design, more reliable performance, occupying 25% of the installation area and 50% of the original CDHD series.

Technical data:



Specifications (Output current)			20A
Input	Rated voltage		Single-phase 220VAC
	Input range		Rated voltage±20%
	Input frequency		45~65HZ
	Efficiency		≥90%
	Maximum current	Single-phase 220	< 4.0A

Output	Floating voltage	12V model	13.2VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)
		24V model	26.4VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)
	Average voltage	12V model	14.1VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)
		24V model	28.2VDC±0.1V(Can be adjusted according to customer requirements and battery specifications)
	Average floating charge conversion current		Rated output current10%±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, power supply internal over-temperature protection
	Standard functions		Public warning, faulty passive dry contact port (contact limit specification: 32V / 1A), automatic parallel current sharing, non-standard Modbus-RTU485 communication
	Optional functions		Remote power on / off, remote manual charging, remote manual equalization, standard Modbus-RTU485 communication, external battery temperature compensation, automatic battery identification function
	Indication and adjustment		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		65x147x180
	Weight		1.4kg
	Installation method		Baseplate installation