

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°C~+55°C Storage temperature -25°C~+85°C 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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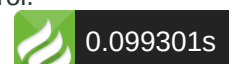
- Description:

- Technical data:

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).

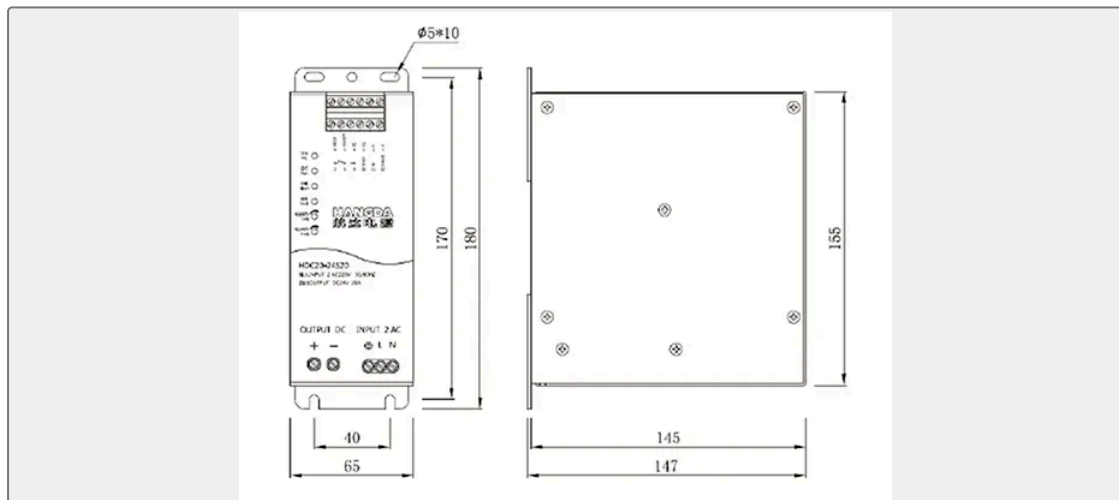
It can be used in conjunction with our parallel monitoring module to achieve standard Modbus-RTU485 communication, status monitoring and some parameter adjustment.

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 \pm 20%
	Input frequency	45~65HZ
	Efficiency	\geq 90%
	Maximum current	Single-phase 220

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°C~+55°C	
	Storage temperature	-25°C~+85°C	
	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	