

LIFEBOAT AND RESCUE BOAT ACCESSORIES

CDHD-JX-20/40A Marine Battery Charger

Description: CDHD-JX-20/40A 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 ...

ISO9001 Supplier

Class Certificate

Export Supply



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-JX-20-40A-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                                |               |                                                                                                                                                           |

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## Description:

CDHD-JX-20/40A 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 ) |                                            |                  | 20~40A                                                                                           |
|-----------------------------------|--------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|
| Input                             | Rated voltage                              |                  | Single-phase 220VAC、 Three-phase 380VAC、 Three-phase 440VAC                                      |
|                                   | Input range                                |                  | Rated voltage $\pm 15\%$                                                                         |
|                                   | Input frequency                            |                  | 45~65HZ                                                                                          |
|                                   | Efficiency                                 |                  | $\geq 87\%$                                                                                      |
|                                   | Maximum current                            | Single-phase 220 | < 50A                                                                                            |
|                                   |                                            | Three-phase 380  | < 30A                                                                                            |
|                                   |                                            | Three-phase 440  | < 27A                                                                                            |
| Output                            | Floating voltage                           |                  | 251VDC $\pm 2$ V(Can be adjusted according to customer requirements and battery specifications ) |
|                                   | Average voltage                            |                  | 268VDC $\pm 2$ V(Can be adjusted according to customer requirements and battery specifications ) |
|                                   | Average floating charge conversion current |                  | Rated output current 10% $\pm 1$ A                                                               |
|                                   | Regulation accuracy                        |                  | $\pm 1\%$                                                                                        |
|                                   | Output ripple and noise                    |                  | VPP $\leq 300$ mV                                                                                |

|                     |                                |                                                                                                                                                                                              |
|---------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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°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                | 360x520x190                                                                                                                                                                                  |
|                     | Weight                         | 25kg                                                                                                                                                                                         |
|                     | Installation method            | Wall mounted installation                                                                                                                                                                    |