

BATTERY CHARGERS CDMV

SWITCH-MODE CONTROLLED FILTERED CDMV RANGE



Using switch-mode technology, compact and lightweight, the CDMV range battery chargers can be associated with any battery technology (recombined sealed lead, open lead, calcium lead, classic lead, nickel cadmium batteries, ...).

They ensure the charging and maintenance of the batteries and an adequate current for the outputs.

Using switch-mode technology, they can function as DC power supplies.

Certified by Bureau Veritas, they can be used in numerous applications : marine, offshore, defence...

Bureau Veritas certificate of type approval n° 06352 BV



STANDARD RANGE

DESIGNATION	ITEM CODE	OUTPUT VOLTAGE (V)	OUTPUT CURRENT (A)	DIMENSIONS	WEIGHT
CDMV 24 / 16	SEEL002797	24 VDC	16	CFM4	14 kg
CDMV 24 / 25	SEEL006329	24 VDC	25	CFM4	16 kg
CDMV 24 / 30	SEEL006489	24 VDC	30	CFM4	17 kg
CDMV 24 / 40	SEEL006330	24 VDC	40	CFM4	17 kg
CDMV 24 / 50	SEEL002674	24 VDC	50	CFM4	17 kg
CDMV 24 / 60	SEEL003750	24 VDC	60	CFM4	17 kg
CDMV 24 / 80	SEEL006331	24 VDC	80	CFM4	21 kg
CDMV 24 / 100	SEEL006332	24 VDC	100	CFM4	22 kg
CDMV 24 / 120	SEEL006333	24 VDC	120	CFM4	22 kg

CDMV – MAIN TECHNICAL SPECIFICATION

INPUT

- Voltage: 230 or 115VAC +/- 10% single-phase
- Frequency: 47 to 63 Hz
- Other voltages, frequency: upon request

OUTPUT

- 24 Vdc – floating voltage: 27,2 Vdc
- Other voltages: upon request

TECHNOLOGY

- Switch-mode technology
- Filtered direct current (possible operation as power supply)
- Electronic limitation of the output current
- Short-circuit possible without any damage to the equipment
- Designed to reduce interferences reinjected to the mains network

OUTPUT ELECTRICAL CHARACTERISTICS

- Regulation: $\pm 1\%$ (steady state)
- Residual ripple: $< 200\text{ mV}$
- Input / Output galvanic isolation
- Current: see table, others upon request
- Type of charge: I/U type charge, floating
- Other charges (Boost, manual clock 0-12H) upon request
- Voltage can be set using internal potentiometer

DISPLAY & CONTROL

- "Power on" indicator
- Voltmeter and ammeter
- ON/OFF switch
- Others upon request: Fault indicators, emergency stop ...

PROTECTION

- Input and output by bipolar fuse
- Against short-circuit and polarity reversal
- Thermal protection
- Tropicalization of the electronic boards
- Equipment designed for resistance to on-board shock and vibration

PRESENTATION

- Metal case – IP 23
- Connections on terminal blocks
- Access through cable glands underneath the housing
- RAL9001
- Salt atmosphere resistant
- Access to the components via the front panel

CLIMATIC SPECIFICATIONS

- Operating temperature: -10 to 50°C .
- Storage temperature: -20 to 70°C .
- Humidity: from 0 to 95 % without condensation

OPTIONS

- Additional outputs
- Voltage threshold control PCB
- Charging fault PCB
- Insulation monitor
- Dry contacts
- Other status indicators
- Other protection ratings
- Other formats (rack, PCB assembly...)
- Other colours...

STANDARDS

- EC Marking
- Bureau Veritas certified

MECHANICAL CHARACTERISTICS

