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New Mastervolt ChargeMaster range charges three batteries simultaneously at over 90% efficiency. A world first...

Mastervolt's range of battery chargers for the marine market is strengthened with the introduction of their brand new generation of chargers the "ChargeMaster Range" to complement the existing IVO and Mass ranges. The range consists of six robust and reliable chargers, especially developed for all battery systems onboard medium sized vessels. These compact chargers can charge three battery sets simultaneously with a charge efficiency of over 90%. The design allows quick and easy installation of the chargers via secure connections. A large, clear LCD display provides information on the charge current, charge voltage and charge phase for all three battery sets.

The ChargeMaster functions anywhere and anytime, is easy to connect to shore or generator power. Auto-ranging guarantees batteries will be charged between 90V and 265V and 50 and 60Hz inputs. 3-Stage Plus technology ensures a reliable and complete charge. Monitoring and control is made easy by the brightly-lit LCD display and MasterBus connection. Batteries are charged fully and safely, resulting in longer battery life.

The ChargeMaster range consists of two 12V chargers (70 and 100A) and four 24V chargers (40, 60, 80, 100A). The range will be extended in 2008 with battery chargers for smaller motor and sailing yachts. Each ChargeMaster is supplied with a free temperature sensor for the main battery.

ChargeMaster Features

The ChargeMaster offers: Six models: 12/70A and 12/100A. 24/40A, 24/60A, 24/80A, 24/100A.

- Three DC outlets optimally sized to charge three battery sets simultaneously via a combination of one larger (40 to 100A) and two smaller connections rated to 10A.
- The ChargeMaster provides the right current dosage for each connected battery bank and is optimally protected from battery overload via, among other things, the temperature sensor Mastervolt provides with each charger.
- The connections are robust and well protected from the electronics. Direct metal-to-metal contacts improve the charging process and prevent corrosion and overheating.
- The 3-Stage Plus charge method developed by Mastervolt ensures a complete charge of all connected batteries under all conditions.
- Autoranging guarantees batteries can be charged anywhere and anytime as long as voltage is available. The charger can accept AC voltage inputs of 90 to 265V and in frequencies of both 50 and 60Hz. Yachts can be plugged into the available voltage in any harbour.
- Combinations with almost all generators are possible for AC power supply. The latest technologies and Cos Phi 1 regulation ensure extremely high efficiency. Intelligent electronic controls make it impossible to overheat and damage generators.
- Charge efficiency is over 90% due to the high frequency technology. This also ensures a quiet charge without the annoying hum produced by transformers.
- Monitoring and control is easy and ready for the future. A brightly-lit LCD display with three-button controls ensures ease of operation. Users can use the selection button to see charge current, charge voltage and charge phase of all battery sets..



- The MasterBus function provides many options for remote control and monitoring.
- The compact ChargeMaster cabinet is designed for easy installation in every possible location. The ChargeMaster only has a volume of 5.2 litre/kW, which is the smallest on the market. It can be installed anywhere onboard: On flat surfaces, below deck or vertically on a bulkhead with the supplied mounting bracket.
- The ChargeMaster is easy to connect and install. The design is provided with 'captive fixing screws' which are secured in the design and cannot fall off into the bilge..
- The connection of the power cable is very secure as the AC/DC connections are installed separately on well-isolated connection points, and not directly on the PCB.

The intelligent location of the connection points of the design allows the unit to be compact, ensuring minimum installation space is needed for the cables. Both the battery and AC connection cables can be easily concealed due to the integration of the connection points inside and beneath the cabinet

