CTEK
MARINE CHARGER
FOR SIMPLICITY

SIMPLICITY – SAFETY – FLEXIBILITY

5 YEARS WARRANTY

CTEK M200
CTEK M200 is an 8 step, fully automatic primary switch mode battery charger. It is a great choice for the marine market and boats with batteries from 28-300Ah. Unlike old battery chargers, CTEK chargers are designed with a focus on simplicity, safety and flexibility. Marine batteries need special care as they are put under a lot of pressure. The batteries need to recover quickly to satisfy the needs and comfort of the boat owner.

- **Fully automatic**
In addition to normal charging, CTEK M200 offers a fully automatic charging cycle with its patented system for pulse maintenance. CTEK M200 analyses the condition of the battery, charges when necessary and maintains the battery when the boat is not in use.

- **No harmful galvanic currents**
CTEK M200 produces no harmful galvanic currents that cause corrosion which quickly damages various metal components under the boat, including propellers and ladders.

- **Counteracts sulphation**
Unused batteries lose their power and their life is shortened through sulfation. It is also more difficult to charge sulfated batteries. The CTEK M200 has a patented method for reconditioning sulfated batteries. The charger analyzes the state of the battery and, if possible, recovers the battery and its power.

- **Recondition the battery**
Using CTEK's unique RECOND mode can correct the acid stratification that often occurs in fully discharged batteries. The battery thereby has it is power restored and enjoys an extended service life.

- **Designed for safety**
CTEK develops all of its battery chargers with safety in mind, for the user, for the battery and for the sensitive electronic equipment installed in all modern boats. CTEK M200 is non-sparking, reverse polarity protected as well as short-circuit-proof and it does no damage to the boat's electronic equipment either.

- **Designed for a tough marine environment**
CTEK M200 is IP44 classed which means that it is approved for outdoor use. It charges equally well at –20°C as it does at +50°C thanks to the charging voltage being adapted to suit the temperature of the battery, and that the components and cables are of the highest possible quality.

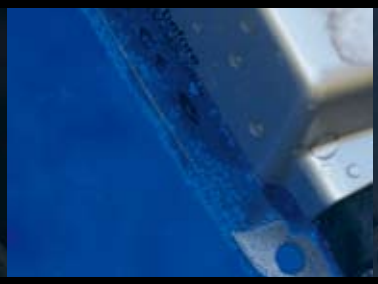
- **Silent night mode**
With the CTEK M200 there is no need to switch off the charger in order to sleep soundly. The practical and convenient NIGHT mode function now provides silent charging.

- **Complete purchase guaranteed**
When buying a CTEK M200 there is a guaranteed complete purchase which means there is no need to buy any additional components or accessories.

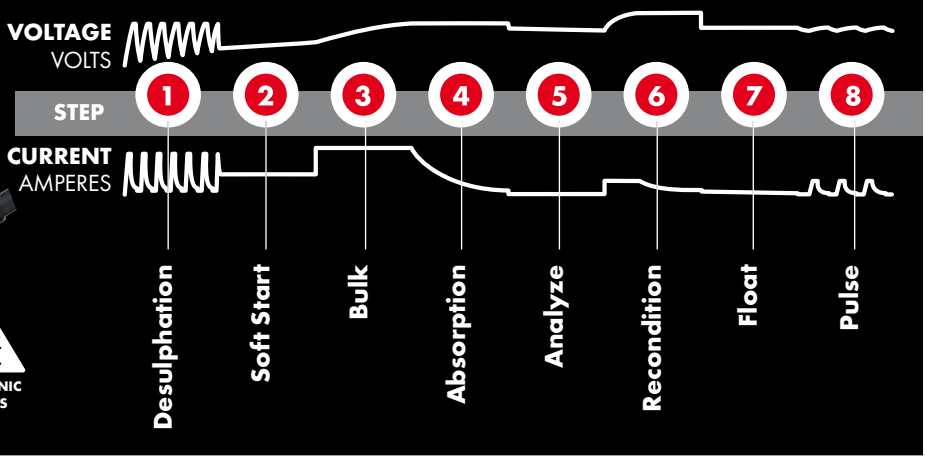
12V
15A
200W
28–300Ah (charging)
28–500Ah (maintenance)
IP44

CTEK®

THE SMARTEST BATTERY CHARGERS IN THE WORLD



M200
8 step



Technical data – M200

Input voltage AC	**170–260V AC, 50–60Hz**
Output voltage	**Nominal: 12V**
Efficiency	**HIGH 85%**
Charging voltage	**14.4V, temperature compensated**
Charging current	**15A max**
Back current drain*	**< 2Ah per month**
Ripple**	**< 4%**
Ambient temperature	**-20°C to +50°C, output power is reduced automatically at higher temperatures**
Cooling	**Fan**
Type of charger	**8 step, fully automatic switch mode with Float/Pulse maintenance**
Type of batteries	**12V lead-acid batteries (Wet, MF, AGM, GEL and Ca)**
Battery capacity	**Charging: 28–300Ah, Maintenance: 28–500Ah**
Dimensions (LxWxH)	**235x130x65mm, 4 metre cable with cast eyelet terminals**
Insulation class	**IP44 (outdoor use)**
Weight	**1.4kg**

*) Back current drain is what drains the battery if the charger is connected without the power cord connected.
**) Ripple describes the quality of the current and voltage. A high current ripple heats the battery and shortens its life. A linear charger has a current ripple of 70–400% which is much larger than the maximum 5% for a modern sealed battery. High voltage ripple could harm other equipment that is connected to the battery. M200 delivers voltage and current with very low ripple. The battery has a long service life and there is no risk of damage to other electronic devices connected to the battery.
IP44 cannot be guaranteed unless the charger is positioned with its top or long side facing up.
More information can be found in CTEK´s leaflets or at www.ctek.com.

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