

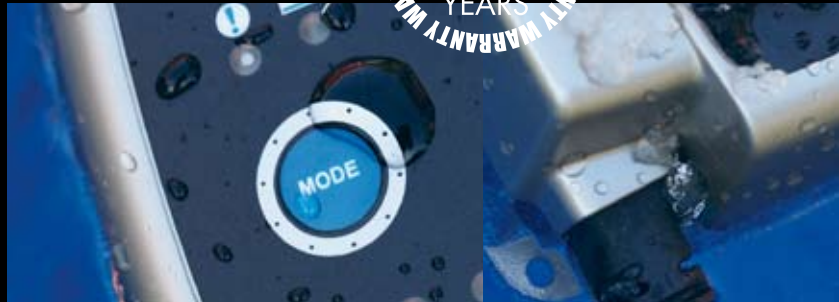
CTEK MARINE CHARGER MAXIMUM POWER COMPLEMENT

SIMPLICITY – SAFETY – FLEXIBILITY



CTEK TWIN POWER

CTEK TWIN POWER is another smart battery charger developed to make CTEK M200 or CTEK M300 more powerful. It helps large battery banks to recover quickly, which is essential when out at sea. Unlike old battery chargers, CTEK chargers are designed with a focus on simplicity, safety and flexibility.



- **Fully automatic**

CTEK TWIN POWER is a fully automatic charger and it is only compatible with CTEK's marine chargers, M200 and M300. The CTEK TWIN POWER is designed to provide extra power during CTEK bulk phase in the 8 step charging curve. When the bulk phase is finished, CTEK TWIN POWER automatically switches off and lets its partner charger finish off the work and maintain the large battery bank. This eliminates the problems with two competing chargers and gives the batteries maximum care.

- **No harmful galvanic currents**

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

- **Compatible with the boats electronic equipment**

The marine environment is filled with GPS, navigation systems and other devices that are sensitive electronic equipment. Unlike less-sophisticated chargers, there is no need to disconnect the battery when charging as CTEK TWIN POWER is specially designed not to damage the electronic systems.

- **Extra power to CTEK M300 and CTEK M200**

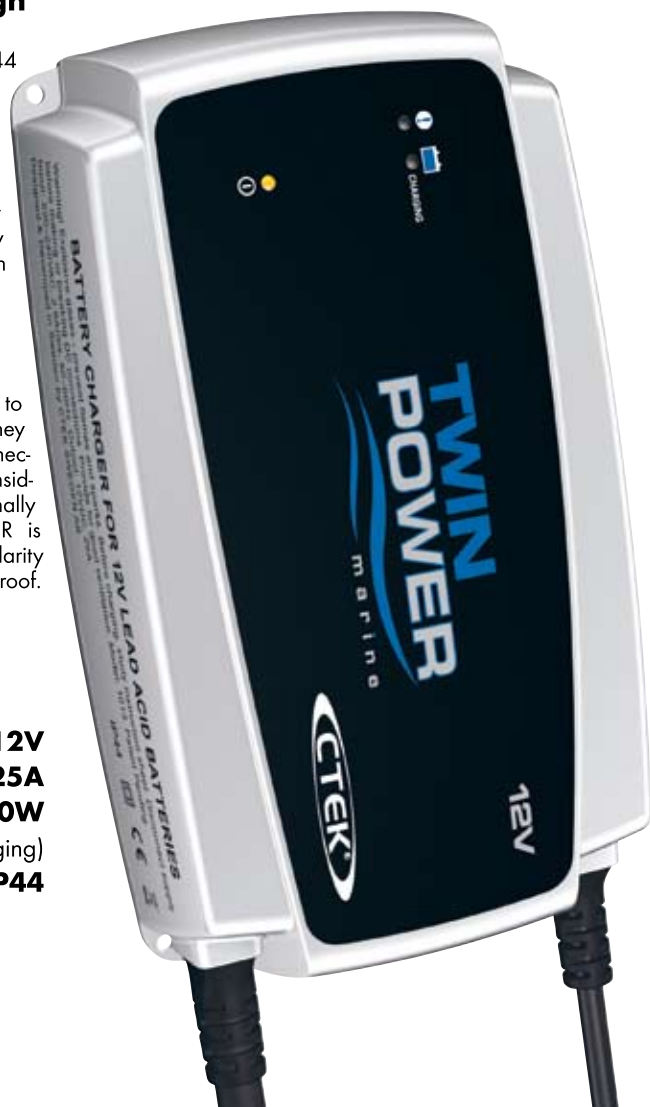
The CTEK TWIN POWER helps larger battery banks to recover quickly during the periods more power is needed. Together with CTEK M300 or CTEK M200 it can give as much as 50A together. CTEK TWIN POWER provides the opportunity and freedom to add more batteries and power on the boat and not have to buy an expensive 50A charger.

- **Designed for tough environments**

The CTEK TWIN POWER is IP44 classified, which means it is approved for outdoor use. It will recharge equally well at -20°C as at $+50^{\circ}\text{C}$ thanks to its temperature sensor, which adapts the charge voltage to battery temperature. It is also extremely robust, making it easy to use in tough environments.

- **Designed for safety**

All CTEK models are designed to consider the safety of the user. They are spark free making the connection much easier and safer considering the gases batteries normally produce. CTEK TWIN POWER is also protected from reverse polarity connections and is short-circuit proof.



12V

25A

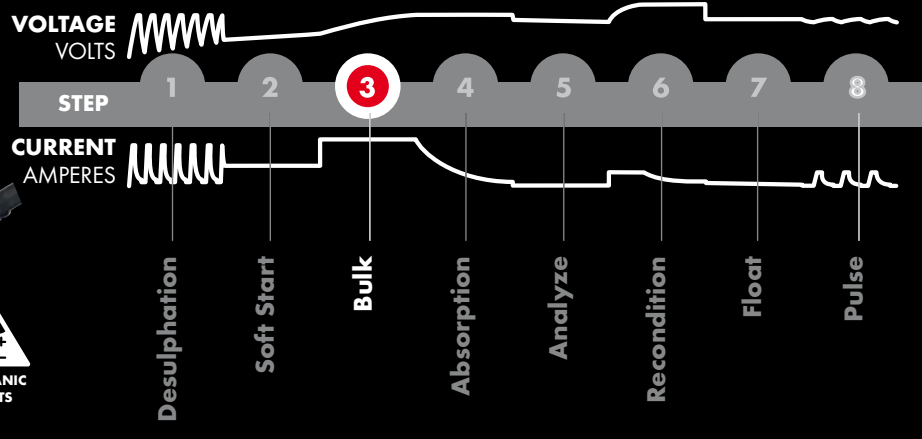
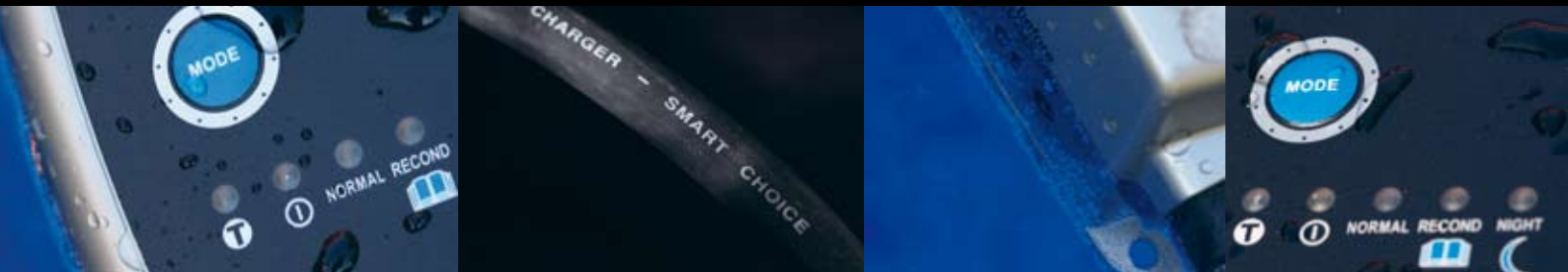
300W

300-800Ah (charging)

IP44



THE SMARTEST BATTERY CHARGERS IN THE WORLD



Technical data – TWIN POWER

Input voltage AC	170–260V AC, 50–60Hz
Output voltage	Nominal: 12V
Efficiency	HIGH 85%
Charging voltage	13.6V, temperature compensated
Charging current	25A 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	1 step, fully automatic switch mode battery charger
Type of batteries	12V lead-acid batteries (Wet, MF, AGM, GEL and Ca)
Battery capacity	Charging: 300–800Ah
Dimensions (LxWxH)	235x130x65mm
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. TWIN POWER deliver 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.



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