



WHY CTEK *BATTERY CHARGERS*



THE SMARTEST BATTERY CHARGERS IN THE WORLD

Not only “the smartest charger in the world”, but also outstanding in quality and performance...

That’s why some of the most prestigious car manufacturers offer their clients branded CTEK’s battery chargers...

Taking into account how they care and nurture their brand names, it’s vital to be able to trust their supplier...

In this case, CTEK...

Others tend to agree...



CTEK SWEDEN AB

WHY CTEK
BATTERY CHARGERS

CTEK™

THE SMARTEST
BATTERY
CHARGERS
IN THE WORLD

CT

MODE

- CTEK has a short history as a company... but its history in knowledge goes way back.
- CTEK is a “sister company” to Creator Teknisk Utveckling which was founded in 1982.
- Creator, which began developing batteries in 1992 is one of the leading technical design consultancies in Sweden... with many international clients.
- CTEK, design, develop, promote, sell and distribute their chargers to 41 countries in the world from Vikmanshyttan, in the province of Dalarna.
- CTEK has their own staff and business units in USA and China.
- Many business analysts have quoted CTEK Sweden as one of the most dynamic and interesting companies in Sweden.
- Few companies experience a similar growth rate, for instance, from a 2 million SEK turnover in 2001, to 120 million SEK in 2006. CTEK will close this 2007 exercise with an estimated 160 million SEK in turnover.
- CTEK have invested time and economical resources to consolidate their business and build an appropriate platform to meet a continued strong growth, which also require the same solid product development and quality assurance by strengthening their technical, marketing and sales capabilities.

CTEK SWEDEN AB

...OUR SISTER COMPANY

CREATOR
TEKNISK UTVECKLING AB

WHY CTEK BATTERY CHARGERS



MODE



WHY SHOULD ONE CHOOSE CTEK?

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Increased dependency - batteries

We are getting more and more surrounded by batteries and among them lead-acid batteries as we are obtaining and using more vehicles. All vehicles and machines are getting more electronic systems and they are also dependent on the batteries capacity. No doubt that there is a great demand for chargers... among all types of professions, categories, households, hobby and sports enthusiasts, etc. Also the different seasons is an aspect that makes safe and efficient maintenance charging vital.

Increased expectations - performance of vehicles

We have all got used to have extremely high expectations that our vehicles should start at any time, the moment we want to enjoy the moment or when it's a matter of need. However, today it can only be that way if we give the required care and maintenance to the battery.

Simplicity and safety - important factors

- Eight step, *fully automatic* switch mode chargers
- Functional and *practical design*... apart from good looking
- Smart comfortable and alternative *quick connectors*
- *Safety*: Spark proof, reverse polarity protected and short circuit proof
- Does *not damage* sensitive electronic equipment
- Can be used in *any climate* and they are extremely robust
- Suits all *types of lead-acid batteries*: Wet, MF, Gel, AGM, Calcium

New batteries... new system

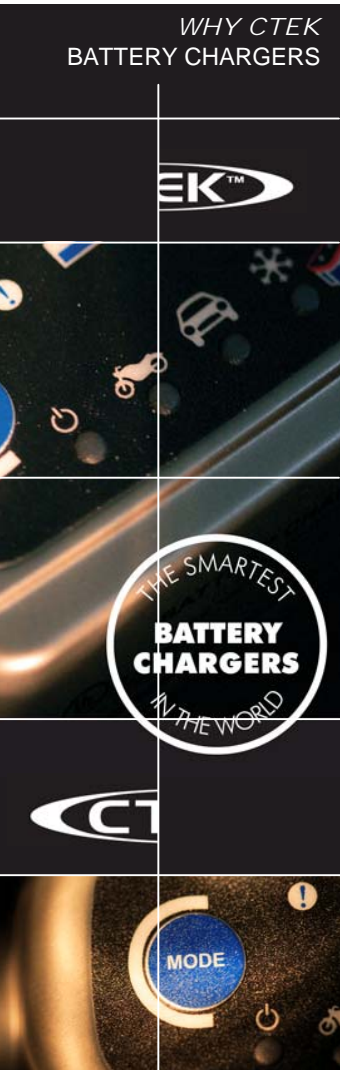
In the mid-90's, the batteries went through a major developing phase which then really require chargers to be compatible with the new systems. CTEK developed a completely new system to meet these requirements and CTEK's *8-step charging curve* is worldwide patented. That is why CTEK is not only a better charger than its competitors, it has developed a completely *unique system*.

REASONS WHY TO CHOOSE CTEK'S BATTERY CHARGERS

10



- 1 *Best in Test* – 3 years in a row (2004-2005-2006)
- 2 Designed for *safety*: for the user, the car's electronic equipment and the battery
- 3 Completely new and *own-patented system* developed for today's batteries and vehicles
- 4 *Small and handy* and *extremely easy to use*, yet very powerful and efficient
- 5 Can be used in *any weather* or *temperature* (which is often the case) as they are robust and made for outdoor use (all chargers have an IP44-65 classification and can be used between -20 - +50C°)
- 6 *Nice and practical design*: nice look, easy to bring with you and a clear and “easy-to-understand” display
- 7 Very *flexible in where and what to charge* in terms of different vehicles, lead-acid batteries, places or conditions. They can be left for months for maintenance charging and care for the batteries
- 8 They have the *right price*: extremely good and practical, compatible and caring for the battery and the vehicle... and yet a fair price
- 9 CTEK's OEM clients (Porsche, Mercedes, Maybach, Harley Davidson, Aston Martin, Bentley, Lamborghini and Ferrari) *endorse* the idea of quality and high standards
- 10 The *5-year consumer warranty* and the *2-year professional* “high-frequency-use” warranty suggest the highest standards and commitment. CTEK are also extremely committed in giving good and efficient customer support.



WHY CTEK
BATTERY
CHARGERS



XS 800 / XC 800

XS 800 12V 10W 0,8A charging current
1,2-32Ah charging and 1,2-100Ah maintenance

XC 800 6V 5W 0,8A charging current
1,2-100Ah charging and 1,2-100Ah maintenance

Charging indicator

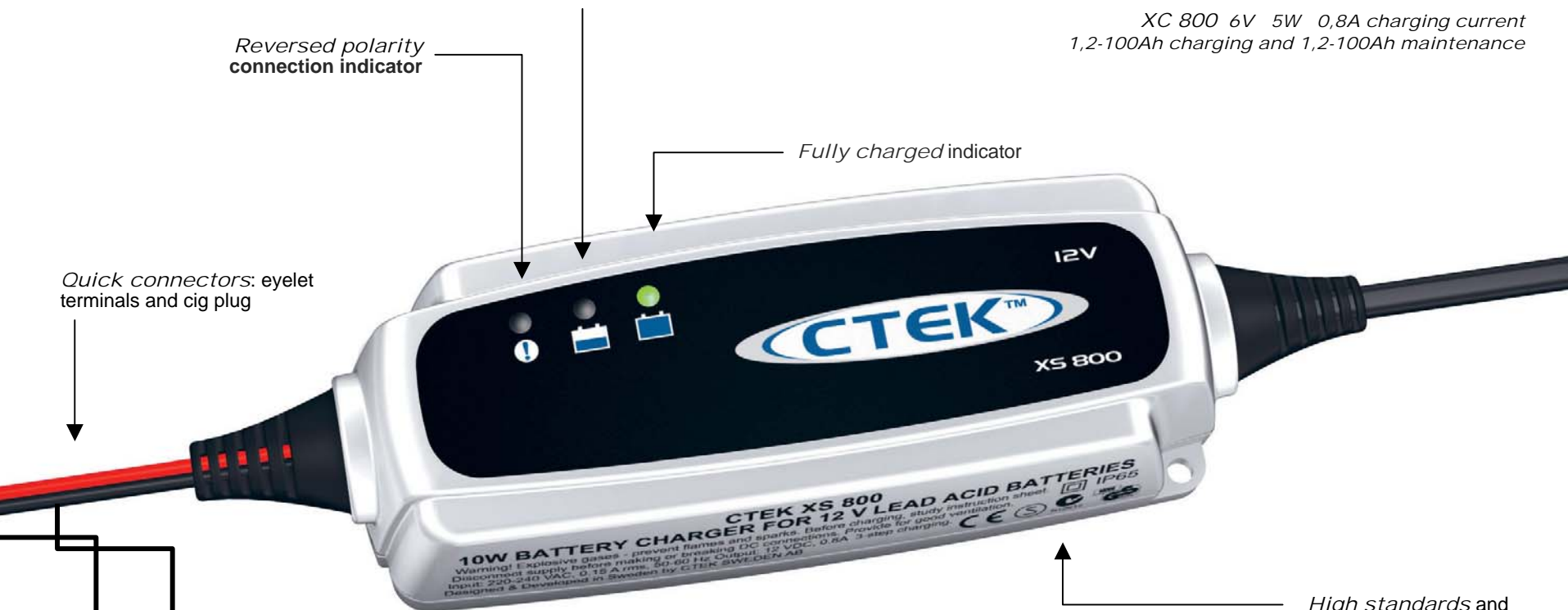
Charging for all smaller lead-acid batteries 1,2-32Ah
Charging voltage 14,4V
Charging current 0,8A

Reversed polarity connection indicator

Fully charged indicator

Quick connectors: eyelet
terminals and cig plug

Lead-acid
batteries: Wet,
MF, GEL, AGM
and Calcium



High standards and
warranty policy (5-year)

WHY CTEK
BATTERY
CHARGERS



MULTI XS 3600

12V 45W 0,8A / 3,6 A charging current
1,2-75Ah charging and 1,2-120Ah maintenance

High standards and
warranty policy (5-year)

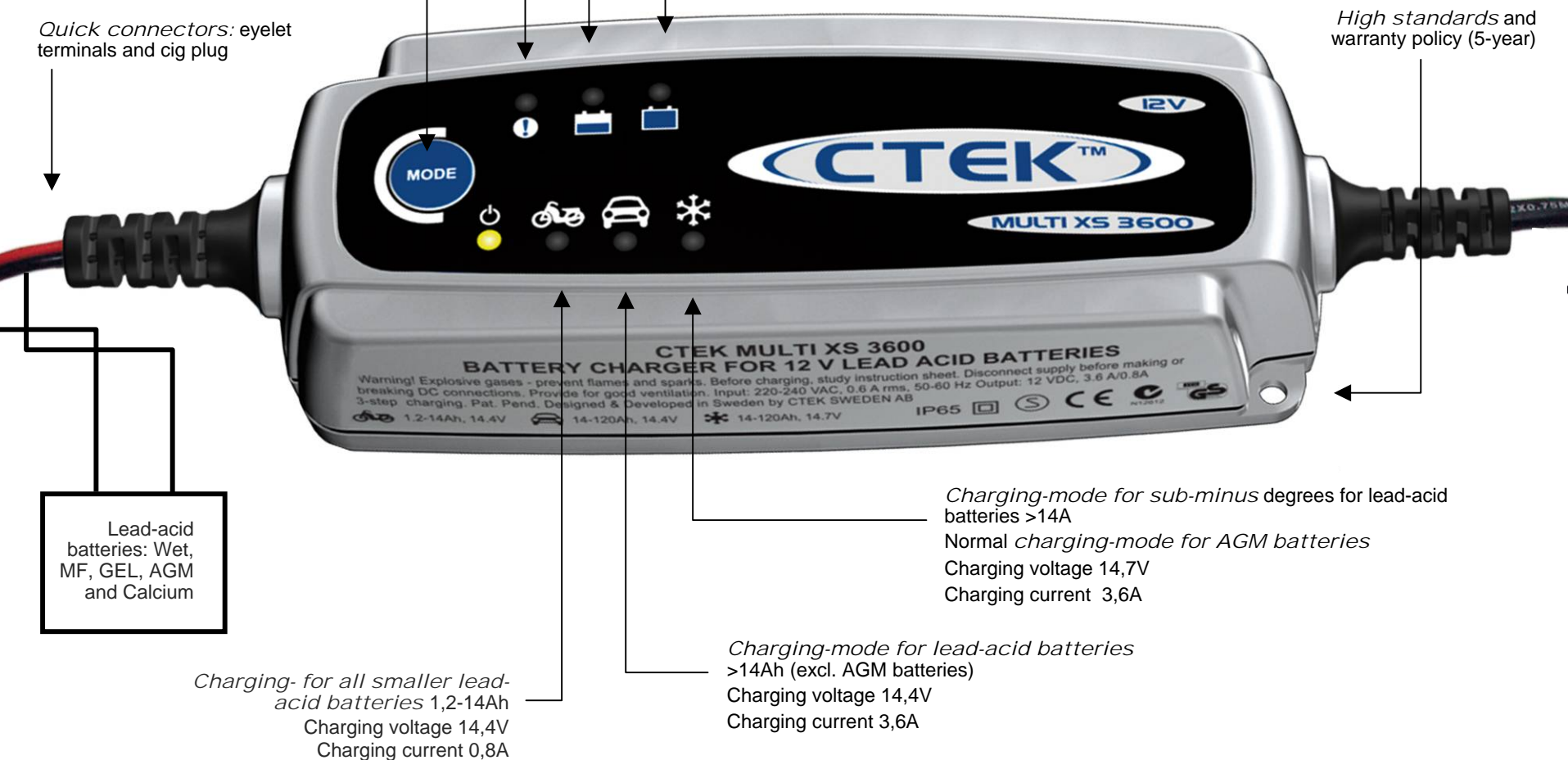
Charging indicator

Fully charged indicator

MODE button for alternative
charging modes

Reversed polarity
connection indicator

Quick connectors: eyelet
terminals and cig plug



Lead-acid
batteries: Wet,
MF, GEL, AGM
and Calcium

Charging- for all smaller lead-
acid batteries 1,2-14Ah
Charging voltage 14,4V
Charging current 0,8A

Charging-mode for lead-acid batteries
>14Ah (excl. AGM batteries)
Charging voltage 14,4V
Charging current 3,6A

Charging-mode for sub-minus degrees for lead-acid
batteries >14A
Normal charging-mode for AGM batteries
Charging voltage 14,7V
Charging current 3,6A

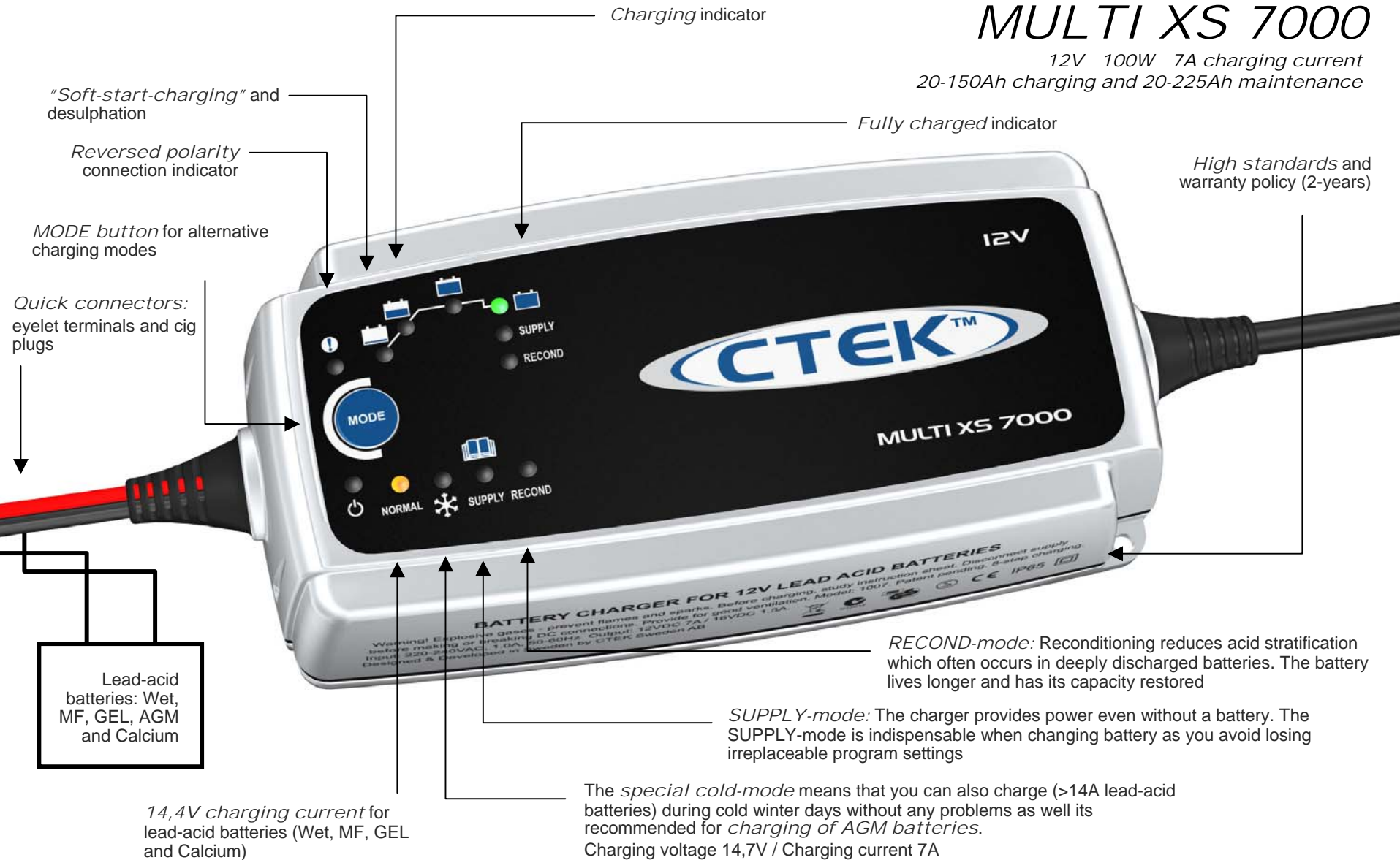
WHY CTEK
BATTERY
CHARGERS



MULTI XS 7000

12V 100W 7A charging current
20-150Ah charging and 20-225Ah maintenance

High standards and
warranty policy (2-years)



"Soft-start-charging" and
desulphation

Reversed polarity
connection indicator

MODE button for alternative
charging modes

Quick connectors:
eyelet terminals and cig
plugs

Lead-acid
batteries: Wet,
MF, GEL, AGM
and Calcium

14,4V charging current for
lead-acid batteries (Wet, MF, GEL
and Calcium)

Charging indicator

Fully charged indicator

RECOND-mode: Reconditioning reduces acid stratification
which often occurs in deeply discharged batteries. The battery
lives longer and has its capacity restored

SUPPLY-mode: The charger provides power even without a battery. The
SUPPLY-mode is indispensable when changing battery as you avoid losing
irreplaceable program settings

The special cold-mode means that you can also charge (>14A lead-acid
batteries) during cold winter days without any problems as well its
recommended for charging of AGM batteries.

Charging voltage 14,7V / Charging current 7A

WHY CTEK
BATTERY
CHARGERS

MULTI XS 25000

12V 300W 25A charging current
50-500Ah charging and maintenance



"Soft-start-charging"
and desulphation

Charging indicator

Fully charged indicator

Reversed polarity
connection indicator

MODE button for alternative
charging modes

High standards and
warranty policy (2-years)

Temperature sensor:
Adjusts the charge voltage to
suit the temperature of the
battery and can then
guarantee effective charging
in all climates

Lead-acid
batteries: Wet,
MF, GEL, AGM
and Calcium

Normal charging for all types of
lead-acid batteries (Wet, MF, GEL,
AGM and Calcium)

RECOND-mode: Reconditioning reduces acid stratification
which often occurs in deeply discharged batteries. The battery
lives longer and has its capacity restored

SUPPLY-mode: The charger provides power even without a battery. The
SUPPLY-mode is indispensable when changing battery as you avoid losing
irreplaceable program settings

WHY CTEK
BATTERY
CHARGERS

MULTI XT 14000

24V 300W 14A charging current
28-300Ah charging and 28-500Ah maintenance

"Soft-start-charging" and desulphation
Charging indicator
Fully charged indicator
Reversed polarity connection indicator
MODE button for alternative charging modes

High standards and warranty policy (2-years)

Temperature sensor:
Adjusts the charge voltage to suit the temperature of the battery and can then guarantee effective charging in all climates

Normal charging for all types of lead-acid batteries (Wet, MF, GEL, AGM and Calcium)

SUPPLY-mode: The charger provides power even without a battery. The SUPPLY-mode is indispensable when changing battery as you avoid losing irreplaceable program settings

RECOND-mode: Reconditioning reduces acid stratification which often occurs in deeply discharged batteries. The battery lives longer and has its capacity restored

Lead-acid batteries: Wet, MF, GEL, AGM and Calcium



WHY CTEK
BATTERY
CHARGERS



Our basic product range up-to-date...



WHY CTEK
BATTERY
CHARGERS



Other CTEK products worth commenting...

ZAFIR 90



M200



ONYX



M300 + M300 STARTER



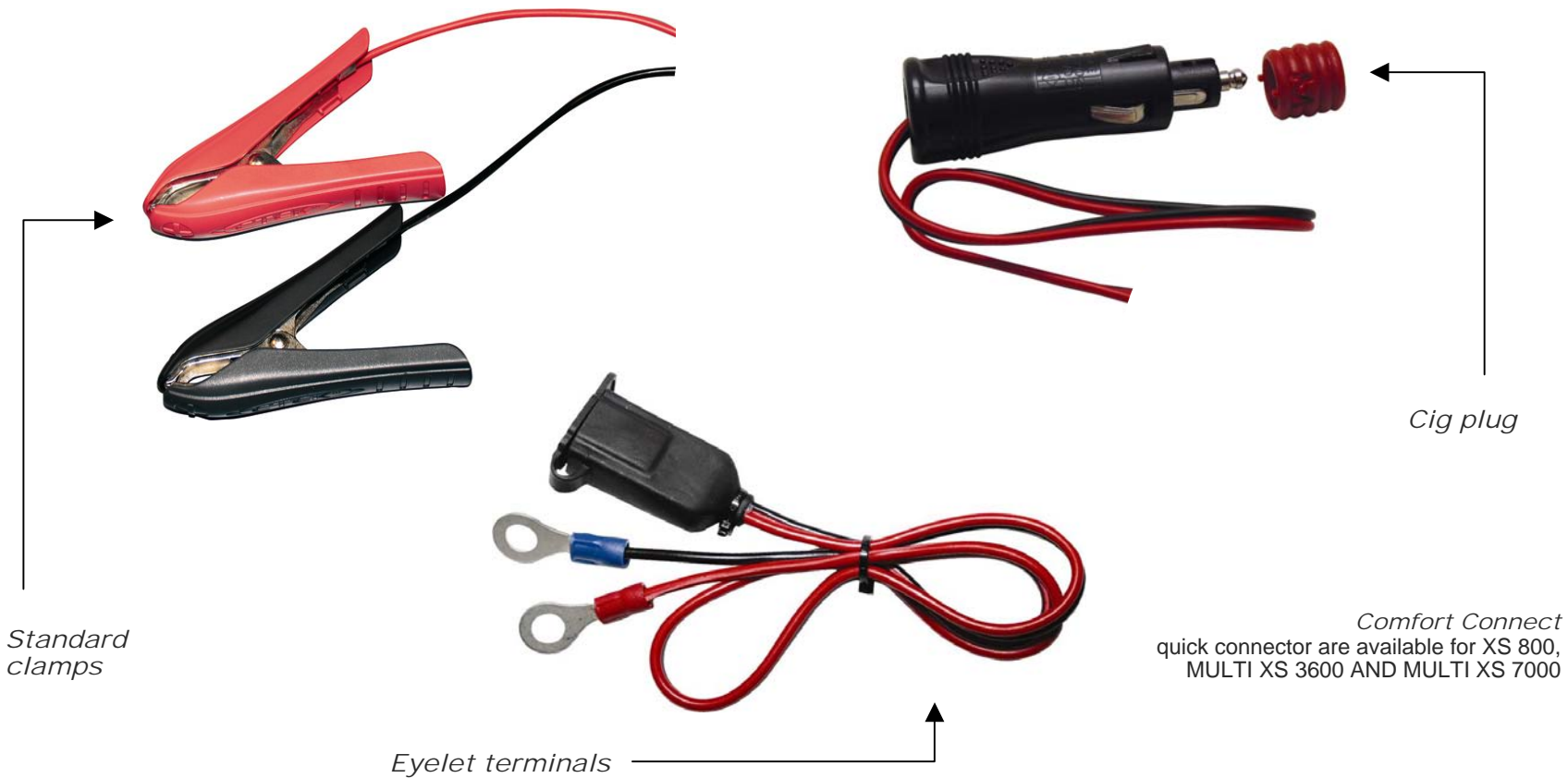
M300 STARTER –
Maintenance charger for the boat's
starter battery

NIGHT-shift mode for
soundless charging when
sleeping






Alternative ways to connect the chargers...



QUICK GUIDE – WHICH CTEK BATTERY CHARGER IS RIGHT FOR YOU?

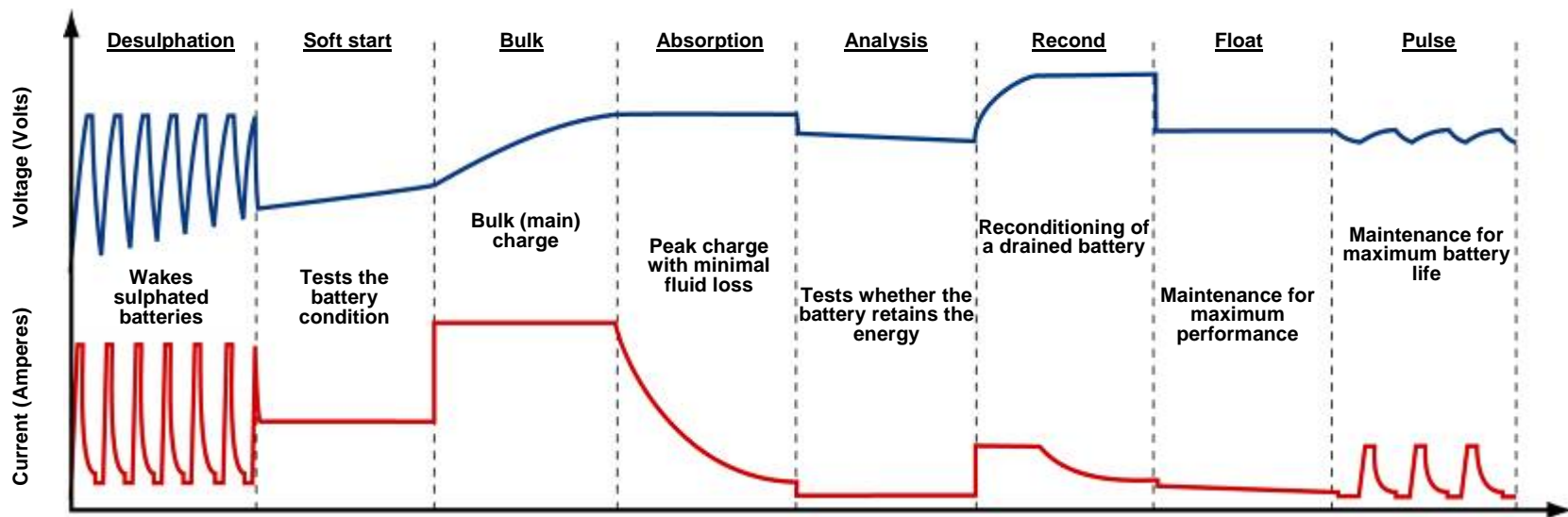
 *RECOMMENDED*  *USABLE*  *NOT RECOMMENDED*







 Time it takes to start a vehicle with a completely drained battery

													
 <i>XC 800</i>	30min  6V batteries					30min  6V batteries							
 <i>XS 800</i>	30min 	30min 	30min 	Rec. for maintenance 	30min 		Rec. for maintenance 	30min 	Rec. for maintenance 	Rec. for maintenance 			
 <i>MULTI XS 3600</i>	30min 	30min 	30min 	30min 	30min 		30min  Smaller size boats	30min 	30min 	30min 	Rec. for maintenance 		
 <i>MULTI XS 7000</i>	30min 			10min 			10min  Medium size boats		10min 	10min 	10min 		Rec. for maintenance 
 <i>MULTI XS 25000</i>				5min 			5min 		5min 	5min 	5min 	5min  12V batteries	5min  12V batteries
 <i>MULTI XT 14000</i>												10min  24V systems	10min  24V systems



WHY CTEK BATTERY CHARGERS



		<u>Desulphation</u>	<u>Soft start</u>	<u>Bulk</u>	<u>Absorption</u>	<u>Analysis</u>	<u>Recond</u>	<u>Float</u>	<u>Pulse</u>
XC 800		Yes		0,8A	7,2V				Yes
XS 800		Yes		0,8A	14,4V				Yes
MULTI XS 3600		Yes		0,8A / 3,6A	14,4V / 14,7V				Yes
MULTI XS 7000		Yes	Yes	7A	14,4V / 14,7V	Yes	Yes	Yes	Yes
MULTI XS 25000		Yes	Yes	25A	14,4V	Yes	Yes	Yes	Yes
MULTI XT 14000		Yes	Yes	14A	28,8V	Yes	Yes	Yes	Yes



THANK YOU FOR YOUR INTEREST AND WE HOPE
THIS HAS BEEN A VALUABLE SESSION