

Something happened in the world of battery chargers two years ago.

A newcomer from Sweden launched the MULTI XS 3600 and turned life on its head for users and competitors alike. Never before was it thought that a charger could be so easy to use, flexible and safe, while being able to charge batteries in double the time.

CTEK is now the largest manufacturer in Sweden, and is expanding rapidly in USA, Germany, the Netherlands, Italy and Australia. More models have been added and it is now time for the long awaited 15Amp charger.

They can revive sulphated batteries and analyse a battery's status. They can operate without interruption from the low voltage supplied from wall sockets, which benefits marine and caravan users.

Modern batteries are more efficient and demand less maintenance, but they are also a little more sensitive. The current needs to be free from harmful alternating current. Over-discharged batteries need special treatment in order to maximise service life and capacity. No other charger is as considerate towards modern batteries as the new chargers from CTEK. As many as eight stages are used to regain loss of power to the batteries.

A new feature is that the charge voltage is automatically adjusted to match the ambient temperature. A temperature sensor lets the charger's processor maintain the voltage at the correct level. A virtually unique quality is

that this sensor can be extended, shortened or trimmed while the charger continues to work. It is more and more common for chargers to react irregularly if there is a problem with these sensors.

Maintenance charging can be done in two different ways. CTEK has previously selected the more forbearing pulse maintenance method as standard, but this has now been combined with a patent-pending float method that concentrates on achieving maximum capacity to the detriment of service life. The new chargers start with the float method and then switch to pulse if the battery has not been used for a while.

CTEK offers a range of smart and practical battery chargers for all types of lead-acid batteries. CTEK battery chargers can be connected for long periods of time in protective pulse maintenance mode. The charger is safe for use with all electronics, so you don't have to disconnect the battery from the vehicle. It's also spark-free, short circuit-proof, and reverse polarity protected. CTEK can charge drained and sulphated batteries. Even if the mains voltage is as low as 170 volts the CTEK chargers give your battery a perfect charge. The CTEK range of battery chargers is approved for outdoor use.

Now charging batteries is easier than ever!

## Quick Reference

Below is a summary of CTEK battery chargers, recommended for different areas of use.

### Lawn mowers

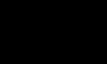
- The XS 800 is the natural choice for maintaining lawn mowers or garden tractors.
- The MULTI XS 3600 provides faster charging and greater flexibility.

### Cars and tractors

- The XS 800 works well for maintenance charging.
- The MULTI XS 3600 combines a good maintenance charger with the capacity to charge a car battery overnight.
- The MULTI XS 7000 provides more power and its Supply function can also simplify battery replacement.
- The MULTI XS 15000 & MULTI XS 25000 are heavy-duty chargers capable of charging a completely drained battery in short order. The charger can also be used as a power source.
- The XC 800 is ideal for older vintage cars that use 6 Volts.

### Heavy vehicles – trucks, tractors, buses

- The MULTI XT 14000 maintains and charges 24 Volt systems.
- An alternative is to use one MULTI XS 7000 for each 12 Volt battery. The individual treatment of each battery prolongs battery life.



### RVs

- The MULTI XS 3600 can handle campers without too much extra equipment.
- The MULTI XS 7000 provides more power and can also be used in the absence of batteries.
- The MULTI XS 15000 & MULTI XS 25000 provide plenty of power for demanding users.

### MC

- The XS 800 is an economical charger that can provide maintenance throughout the winter.
- The MULTI XS 3600 provides faster charging and greater flexibility.
- The MULTI XS 15000 & MULTI XS 25000 are heavy-duty chargers capable of charging a completely drained battery in short order. The charger can also be used as a power source.
- The XC 800 is ideal for older vintage motorcycles that use 6 Volts.

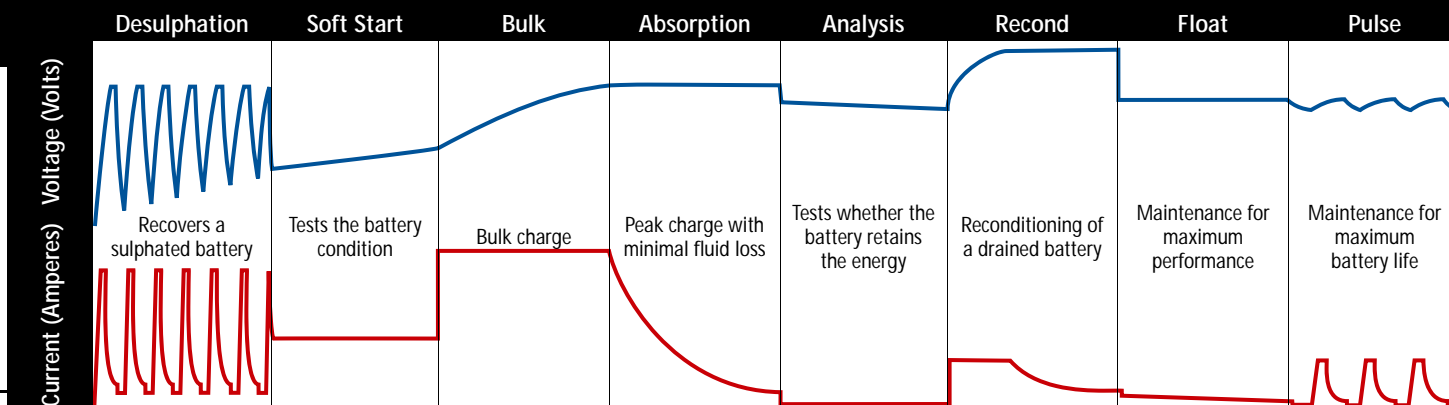
### Snowmobiles

- The XS 800 charges and maintains batteries.
- The MULTI XS 3600 has a special winter charge mode.

### Boats

- The XS 800 is water resistant and is ideal for Jet Skis.
- The MULTI XS 3600 is perfect for the smaller boat or the starter battery.
- The MULTI XS 7000 is ideal for leisure batteries.
- The MULTI XS 15000 & MULTI XS 25000 are best for boats with larger batteries or requirements for fast charging.
- The MULTI XT 14000 is ideal for large boats with 24 Volt systems.

## Eight steps to perfect batteries



	Desulphation	Soft Start	Bulk	Absorption	Analysis	Recond	Float	Pulse
XC 800	Yes		0,8A	7,2V				Yes
XS 800	Yes		0,8A	14,4V				Yes
MULTI XS 3600	Yes		0,8/3,6A	14,4/14,7V				Yes
MULTI XS 7000	Yes	Yes	7A	14,4/14,7V		Yes	13,6	Yes
MULTI XS 15000	Yes	Yes	15A	14,4V	Yes	Yes	13,6	Yes
MULTI XS 25000	Yes	Yes	25A	14,4V	Yes	Yes	13,8	Yes
MULTI XT 14000	Yes	Yes	14A	28,8V	Yes	Yes	27,6	Yes

Technical data								Notes
	XC 800	XS 800	MULTI XS 3600	MULTI XS 7000	MULTI XS 15000	MULTI XS 25000	MULTI XT 14000	
Voltage	6V	12V	12V	12V	12V	12V	24V	
Current ripple (%)	2%	2%	3%	4%	<4%	4%	4%	Modern batteries require pure current. Should be below 5%. Older chargers can have 400%.
Plates	↑7	↑7	7 → 11	7 → 13	13 → 19	13 → 19	13 → 19	
Cold Cranking Amps (CCA)	↑250	↑250	250 → 400	250 → 600	450 → 800	500 ↑	500 ↑	
Minimum battery	1.2Ah	1.2Ah	1.2Ah	14Ah	30Ah	50Ah	28Ah	
Max. battery, charging	100Ah	32Ah	75Ah	150Ah	300Ah	500Ah	300Ah	Bigger batteries will require longer bulk charge time than 20 hours.
Max. battery, maintenance	100Ah	100Ah	120Ah	225Ah	500Ah	500Ah	500Ah	
Dimensions (mm)	142 x 51 x 36	142 x 51 x 36	165 x 61 x 38	191 x 89 x 48	233x128x64	233 x 128 x 64	233 x 128 x 64	Length x Width x Height
Weight	0,3 kg	0,3 kg	0,5 kg	0,8 kg	1,4 kg	1,4 kg	1,4 kg	
Insulation	IP 65 (Splash and dust-proof)				IP 44 (Outdoor use)			
Quick coupling	Yes	Yes	Yes	Yes				

Battery size	Bulk charge time for about 80% charge (h)							Notes
	XC 800	XS 800	MULTI XS 3600	MULTI XS 7000	MULTI XS 15000	MULTI XS 25000	MULTI XT 14000	
2Ah	2	2	1					Bulk charge time is the time it takes to charge a completely drained battery to about 80% capacity. Added to this is the time for Absorption and Boost, if any.
8Ah	8	8	2					
20Ah	20	20	5	3				
60Ah	60	60	15	8	4	2	4	
100Ah	>80	>80	25	12	6	3	5	
225Ah				25	14	7	13	Recommended
500Ah					28	16	28	Useable
								Not recommended

CTEK designs and develops a unique range of compact and flexible chargers for high performance batteries. Catering for both consumer and professional users, CTEK's chargers can be used for automotive, marine, outdoor power equipment, lawn & garden as well as recreational and off-road vehicle applications. Through years of advanced research in battery electrochemistry and electronics, combined with cutting edge product design, CTEK has developed a complete range of advanced battery chargers in the range 10W to 400W.



# The smartest battery chargers in the world!



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# The smartest battery charger in the world!

## That's why a CTEK charger!

### Save money!

Neglecting your battery will definitely reduce its life. CTEK battery chargers provide you with maximum battery life.

### Save the environment!

CTEK battery chargers prolong battery life. It benefits the environment if each battery can be used as long as possible.

### Avoid problems!

Easily connect your CTEK battery charger in just seconds – and leave it connected until the next time you need the battery.

### Save time!

CTEK battery chargers require far less charging time than many conventional chargers.

### Avoid disappointments!

A dead battery can ruin your day. CTEK battery chargers with pulse maintenance ensure that your battery is ready when you are.

### Don't short-change your safety!

With conventional chargers you have to contend with both explosive gases and sparks. CTEK controls the gases and features patented spark protection technology. All CTEK chargers can be used outdoors.

**XC 800**

## Charger for 6 Volt batteries

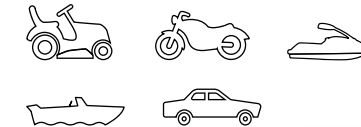
The XC 800 is a full-featured 6V charger in mini format. It gives the batteries of your vintage vehicle a new life. XC 800 charges small batteries that hold as little as 1Ah, up to the biggest tractor batteries.



**XS 800**

## Charges and maintains

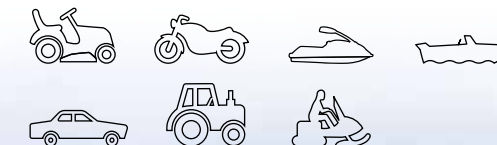
The XS 800 easily charges all small batteries. It's perfect for your motorcycle, lawn mower or Jet Ski. The XS 800 is also an ideal maintenance charger for seasonal vehicles with batteries up to 100Ah.



**MULTI XS 3600**

## Practical household charger

The MULTI XS 3600 is a multitasker in compact format. It replaces all the chargers in your home. Switch between charging your lawn mower, the battery for your car or RV. The built-in cold-weather mode is perfect for flat batteries in the winter. The MULTI XS 3600 can even charge Gel and AGM batteries, where conventional transformer chargers cannot be used.



**MULTI XS 7000**

## Universal charger for cars, boats, and RVs

The MULTI XS 7000 is suited for cars, boats, and RVs. This charger is ideal for year-round use. The Supply mode provides you with power even without a battery. It also works as a Memory Saver so you can unhook the battery without losing settings and codes in the vehicles' computer, anti-theft radios, keyless-entry systems etc. The Boost/Recond mode reconditions your battery after deep discharging. Your battery will recover quickly and last longer.



**MULTI XS 15000**

## Reliable power

The MULTI XS 15000 is perfect for applications that demand reliability. This charger is an all round performer offering fast, accurate and reliable charging. With all the features of the Multi XS 25000 offering automatic charging that adjusts to the battery's temperature, the handy supply mode, memory saver so you can unhook the battery without losing settings & more.



**MULTI XS 25000**

## Maximum power

The MULTI XS 25000 is powerful for batteries that require rapid charging: in your RV, boat or workshop. The charger automatically adjusts the charge to the battery's temperature. The MULTI XS 25000 has the same handy Supply-mode as the MULTI XS 7000. The MULTI XS 25000 features built-in functions that analyse the status of your battery. Maintenance charging uniquely combines battery requirements of high capacity and long life.



**MULTI XT 14000**

## 24 Volts for heavy vehicles

The MULTI XT 14000 features the same functions as the MULTI XS 25000 but is intended for 24 volt batteries. The ideal charger for buses, trucks and large boats. The analysis functions help you keep your batteries ready to go at all times.



## Safety

- Does not damage sensitive electronics
- Spark-free, short circuit-proof, and reverse polarity protected
- Minimal gassing

## Simplicity

- Pulse maintenance for maximum battery life
- Brings drained batteries back to life
- Ideal charge down to 170V mains voltage

## Flexibility

- Fits all lead-acid battery types (Flooded, MF, Gel, AGM)
- Able to wake up sulphated batteries
- Approved for outdoor use