

Developed and produced
in The Netherlands

SmartValue
service label

Proflite

5 years
warranty



TBC 600

Robust

The most characteristic feature of the TBC 600 is its robustness and the distinctive housing of this charger is recognisable in an instant. The unit is resistant against dust penetration, it is splash proof and it has high impact resistance (IP 647), which allows for the charger to be used in places where other chargers would never make it. The scope of application of the TBC 600 is therefore very wide.

Full-automatic

As you would expect from a professional battery charger TBC 600 is a fully automatic battery charger and trickle charger in one. The charging process consists of several phases that are completed in order to fully charge a battery. After this the charger switches over to a trickle charge, which is also referred to as the maintenance charge. The charger will function as a power supply for any energy consumers that are connected at that time. The charger will automatically return to the main charging function when the battery starts to discharge again. These properties ensure that the charger is also very suitable to be used as a built-in charger.

Charge programmes

Each battery and situation have their own unique charging requirements in order to maximise the lifespan of the battery.

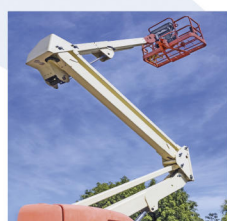
The charger therefore includes different charging programmes so that it can be adjusted for the current situation and, more importantly, to the battery type. It is very simple to adjust the charger by selecting the programme with a push-button.

Heavy cyclical use

The charger includes a special charger programme for batteries that are used in heavy cycles (regular deep discharging and charging) to break down sulphate on the plates as much as possible. The charger thereby passes through an extra charging phase where the charging voltage is taken to a higher level.

Properties and safety provisions

The microprocessor controls and monitors the charging process in order to guarantee a very accurate and safe charging process. A special feature of the TBC 600 is that voltage drop over the cable is automatically corrected. The battery therefore actually receives the set charge voltage. The charger can also be set with a time monitoring charge, which can prevent a defective battery from being charged. The charger will also give a warning sign if the battery is sulphated. Reverse polarity, short-circuit protection and temperature monitoring features are naturally also included.



Robustness for extreme conditions



TBC 600

Tip

A minimum of 10% battery capacity is required as a charging current to ensure a good charging process. If the charging current is too low in relation, the battery could become damaged. The believe that any charger can completely charge any battery when given enough time comes with a certain element of risk. There is also a maximum charge linked to the charging current, depending on the type and brand of batteries. When the charger is used only to maintain the battery and not to completely charge it a smaller current would suffice.

Available models

Article	Voltage Vdc	Current Amp	Dimensions lxxwxh cm	Weight kg
TBC 612-1-15	12	15	20x20x11	7
TBC 612-1-25	12	25	25x20x11	9
TBC 612-1-35	12	35	30x20x11	10
TBC 612-1-50	12	50	40x20x11	16
TBC 624-1-10	24	10	20x20x11	7
TBC 624-1-20	24	20	25x20x11	9
TBC 624-1-30	24	30	30x20x11	10
TBC 624-1-40	24	40	40x20x11	16

TBC 600 operates by default on 230VAC, but the charger can optionally also be delivered with 115VAC input. Add the letters SI after the article number to specify this option.

Did you know?

TBC 600 is a complete a proprietary product of Xenteq, which means that customer-specific adaptations can be made, even for smaller quantities. This is a unique service that is very popular among professional users.

Smart Value label

The TBC 600 Series are fitted with the Smart Value service label, which is a guarantee of benefits and assurances when it comes to service. This is a unique added value for users of these chargers! Read more on our website.



Accessories

* BTC 100

The temperature sensor adjusts the charging voltage to the battery temperature. The BTC 100 is built-in in the factory to ensure that the battery charger is splash-proof. This option must therefore be specified with the order as it cannot be added subsequently. The length is 5 metres.



Extensive technical details can be found on our website:

www.xenteq.nl