



Avena 100-SERIES

Complete charger

As is customary with an intelligent charger, the Avena contains a comprehensive and fully automated charging process. Once the battery has been fully charged, the charger will switch to the float charging phase. If the battery remains connected for a prolonged period of time, a special phase is activated to ensure optimum maintenance. In order to further implement optimum maintenance, the Avena offers multiple charging settings for a large diversity of batteries. This makes it possible to adjust the charger to the charge specifications of the relevant battery. Since any voltage losses in the charge cable are compensated, the battery does in fact receive the charging voltage that has been set. The charging process is micro processor-controlled, guaranteeing a highly accurate and safe charging process. The internal temperature in particular is monitored by means of a double (!) temperature safeguard. Other important properties include a soft start, current limitation, charge time monitoring and of course double insulation (classification II). The casing has nevertheless remained highly compact and also the weight of only 900 grams (incl. cables!) makes this charger easy to handle for practically everyone.

Silent operation

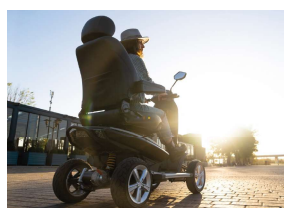
The Avena range does not have an air fan. This guarantees that the operation is completely silent. The charger can therefore be used without worrying about any annoying and excessive noises.

The best of two worlds

The Avena 100 has been developed with two target groups that use the Avena 100 in mind. For suppliers, this is a multifunctional charger with many (setting) options and safeguards and, on top of that, the readable memory can provide a wealth of information. Despite all these extensive properties the charger remains easy to operate, also for the supplier. For example, the desired charge programme can be easily set by means of a single push button.

Plug & Play

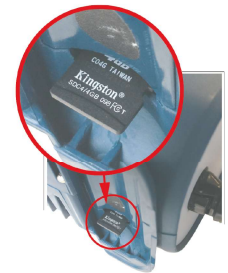
The other target group, the final user, simply wants an easy-to-use charger that they can rely on. That is why all intelligence and possibilities are not visible from the outside. This only makes the charger even easier in terms of its use: the plug&play principle. The charger is only activated when a battery is connected and therefore the Avena can remain permanently connected to the mains. To activate the charger, only the charging cable needs to be connected to the battery. For this connection, the widely used XLR plug is mounted on the battery cable. A red and green LED then indicates whether the charging process is still in progress or has been completed. If the charger detects an error during the charging process, a red LED will light up. We can't make it any easier.





Available models

Article	Voltage	Current	Dimensions	Weight
LBC 124-5	24Vdc	5Amp.	20x6/8x13cm	0,85kg
LBC 124-8	24Vdc	8Amp.	20x6/8x13cm	0,9kg
LBC 124-12	24Vdc	12Amp.	20x6/8x13cm	0,95kg



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. For the mobility market, a charging current of about 15 to 16% can be maintained for the correct charging current ratio. Incidentally, there is also a maximum associated with the charging current. This depends on the type and brand of battery.

Data logging

The Avena 100 contains two options for data logging. The standard logging stores the basic data in the internal memory of the charger. This data can be copied by inserting an SD card in the designated slot. If extensive logging is required, the user has the option of inserting an SD card in advance. This makes it possible to store detailed data for many years. In both instances, the SD card can be read by means of the software programme X-view, provided by Xenteq. This produces a conveniently arranged readout of all parameters. So if there are any questions, the answer can often be found here! For more information about the logging functions, you can of course contact us. Important: the use of the data logging and the associated software is only intended for suppliers as a service tool.



Smart Value label

The Smart Value service label applies to the Avena 100 series chargers. This label guarantees benefits and assurances in the field of service. An unique added value for the users of these chargers! Read more about this on our website.

Did you know?

Since its formation in 1985, Xenteq has been specialising in the development and import of products in the field of mobile energy technology. The Avena 100 has been fully developed by our in-house R&D team. Our own know-how of the technical requirements and the safe charging of a battery has therefore been incorporated from printed circuit board level. We literally know the charger inside and out.

Your dealer

***A 'wolf in sheep's clothing'
for the mobility market!***