

ANSMANN Racing.

PRODUCT DESCRIPTION

The xBase Deluxe charger is an automatic charger, developed to charge NiCd / NiMH batteries packs from 1 to 14 cells (1.2-16.8V DC), Li-Ion / Li-Po batteries from 1 to 5 cells (3.6-18.5V DC) or Lead Acid batteries from 1 to 6 cells (2.0-12.0V DC). Due to its AC and DC input on the primary side this charge can be used universal from a mains power supply system, a car battery or another 11-15V DC high current supply.

The Micro controller inside the xBase Deluxe charger will ensure that all set modes are controlled in a very precise way.

The charge cut off for NiCd / NiMH battery packs is made with the "Minus Delta Peak" system. An additional safety timer where the time is automatically calculated due to the set battery capacity adjusted by the user is running in the background. A defined pre-charge, 3 minutes with 1C, will make sure that the battery pack is recognized and charged correctly. After the fast charge cut-off a trickle charge current will compensate for the self-discharge of the battery.

Li-Ion / Li-Po and Lead Acid batteries are charged with the CCCV charge characteristic (Constant Current / Constant Voltage). First the batteries will be charged with a high constant current until the end charge voltage is reached. Afterwards the charge process changes to constant voltage. The charge current is reducing during this mode. When the charge current is lower than a pre-defined charge current the charger will switch off. This prevents any damage to the battery. A safety timer is working in the background.

The charge current has a continuous adjustment from 0.1 to 5.0 A. All procedures will be shown on a display with 2 lines and 16 digits. The input as well as the output circuit have a protection against wrong polarity. The output circuit is also short circuit protected.