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ACCTIVA EASY 1204

Charging & testing with the powerful “baby”!

The Acctiva Easy 1204 is not just compact, but also clever. It allows charging with a battery charge status display by means of a bar diagram, as well as the testing of starting capacity, the charging level of the battery and dynamo function. The Acctiva Easy 1204 is especially suitable for cars, motorcycles, agricultural machinery, old timers, boats, lawn mowers and golf trolleys.



FEATURES

The Acctiva Easy 1204 offers four different areas of application!

- **Charging:** gentle, fully automatic charging up to maximum capacity
- **Measuring:** charging levels and starting capacity are determined using the measured open circuit voltage
- **Testing:** the functionality of the dynamo is checked and shown on the display
- **Substitution:** serves as a mains device during battery removal – stored data is retained
- Compact shape due to the use of primarily adjusted power electronics
- Inverter technology basis
- Battery charging via the cigarette lighter using a special cable
- Electronic reverse polarity protection, thermal overload protections, safety shutdown
- For the charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Acctiva Easy 1204

Art. No.: 1232404000

Mains voltage: 110–230 V; 50–60 Hz

Max. charging current: 4.5 A

Input current: 0.4 A

Battery capacity: 2 –135 Ah

Max. power input: 36 W (at U_1 230 V)

Charging voltage: 12 V

End of charging voltage: 13,5–14,4 V

Charging characteristic: IUoU

Dimensions: 119 x 72 x 52 mm

Weight: 240 g

Certification marks: CE, TÜV North America, TÜV PSE (Japan), TÜV NSW (Australia)



ACCTIVA EASY 2403

Charging & testing: the little, strong one!

The Acctiva Easy 2403 is not just compact, but also clever. It allows charging with a battery charge status display by means of a bar diagram, as well as the testing of starting capacity, the charging level of the battery and dynamo function.



FEATURES

The Acctiva Easy 2403 offers four different areas of application!

- **Charging:** gentle, fully automatic charging up to maximum capacity
- **Measuring:** charging levels and starting capacity are determined using the measured open circuit voltage
- **Testing:** the functionality of the dynamo is checked and shown on the display
- **Substitution:** serves as a mains device during battery removal – stored data is retained
- Compact shape due to the use of primarily adjusted power electronics
- Inverter technology basis
- Battery charging via the cigarette lighter using a special cable
- Electronic reverse polarity protection, thermal overload protections, safety shutdown
- For the charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Acctiva Easy 2403

Art. Nr.: 1232405000

Max. voltage: 3 A

Battery capacity: 1.5 –100 Ah

Mains voltage: 100–240 V (+/- 15%)

Max. power input: 48 W (at U_1 230 V)

Charging voltage: 24 V

End of charging voltage: 27–28.8 V

Charging characteristic: IUoU

Dimensions: 119 x 72 x 52 mm

Weight: 250 g

Certification marks: CE, TÜV North America, TÜV PSE (Japan), TÜV NSW (Australia)



ACCUGARD BIKE

Accugard Bike is a modern, fully automatic charger for all 12 V vehicle batteries.

This state of the art, fully automatic charger is ideally suited to all 12 V vehicle batteries. It is fitted with safeguards against polarity reversals, short circuits and sparks, in order to prevent damage to the device and harm to the user. The Accugard Bike is perfect for motorcycles, jet skis, tractor mowers, quads and snowmobiles.



FEATURES

- 3-colour, LED display for following charging progress
- **Ideally suited to trickle charging**
- Protection against short circuits
- Protection against polarity reversals
- No sparks should the terminal clamps come into contact
- Suitability for prolonged connection over several months
- No battery damage, as the charging current cannot flow unrestrictedly
- Including battery clamps and ring terminal set

TECHNICAL DATA

Model: Accugard Bike

Art. No.: 1240001500

Rated voltage: 220/240 V; nominal 12 V

Charging voltage: max. 14.3 V

Charging current: 900 mA

Battery types: 12 V lead batteries, AGM, gel



ACCUGARD CAR

Accugard Car is a modern, fully automatic charger for all 12 V vehicle batteries.

This state of the art, fully automatic charger is ideally suited to all 12 V vehicle batteries. It is fitted with safeguards against polarity reversals, short circuits and sparks, in order to prevent damage to the device and harm to the user.



FEATURES

Accugard Car protects both batteries and users against operating errors.

- 3-colour, LED display for following charging progress
- **Ideally suited to trickle charging**
- Protection against short circuits
- Protection against polarity reversals
- No sparks should the terminal clamps come into contact
- Suitability for prolonged connection over several months
- No battery damage, as the charging current cannot flow unrestrictedly
- Including battery clamps and ring terminal set

TECHNICAL DATA

Model: Accugard Car

Art. No.: 1240001600

Rated voltage: 220/240 V; nominal 12 V

Charging voltage: max. 14,3 V

Charging current: 1.8 A

Battery types: 12 V lead batteries, gel



ACCUCHARGER 12-10

The little one!

The Banner Accucharger 12-10 offers everything that one needs. It is highly efficient and simple to use, and allows the charging of conventional starter batteries without the necessity of disconnection from the vehicle inboard network. The device is especially suitable for cars, commercial vehicles, old timers and boats.



FEATURES

The Banner Accucharger 12-10 offers four differing areas of application!

- **Charging mode:** automatic charging with the IUoU characteristic
- **Buffer charging:** operation of switched on users during the charging procedure
- **Support:** of inboard networks without installed starter battery – voltage retention during battery changes
- **Trickle charging:** automatic switch to trickle charging following full charging
- Compact shape due to the use of primarily adjusted power electronics
- Based on inverter technology
- Electronic reverse polarity and thermal overload protection
- Electronic safety
- Charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Banner Accucharger 12-10
Art. No.: 1231201000
Mains voltage: 230 V (+/- 15%); 50 Hz
Charging current: max. 10 A
Battery capacity: 36 –180 Ah
Power input: max. 148 W
Charging voltage: 12 V
End of charging voltage: 13.5–14.4 V
Charging characteristic: IWUoU
Dimensions: 188 x 142 x 70 mm
Weight: 1 kg
Certification mark: CE
Charging cable length: 1.4 m



ACCUCHARGER 12-20

The strong one!

The Banner Accucharger 12-20 offers everything that one needs. It is highly efficient and simple to use, and allows the charging of conventional starter batteries without the necessity of disconnection from the vehicle inboard network. The device is especially suitable for cars, commercial vehicles, old timers and boats.



FEATURES

The Banner Accucharger 12-20 offers four differing areas of application!

- **Charging mode:** automatic charging with the IUoU characteristic
- **Buffer charging:** operation of switched on users during the charging procedure
- **Support** of inboard networks without installed starter battery – voltage retention during battery changes
- **Trickle charging:** automatic switch to trickle charging following full charging
- Compact shape due to the use of primarily adjusted power electronics
- Based on inverter technology
- Electronic reverse polarity and thermal overload protection
- Electronic safety
- Charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Banner Accucharger 12-20
Art. No.: 1231202000
Mains voltage: 230 V; 50 Hz
Ladestrom: max. 20 A
Battery capacity: 44 – 300 Ah
Mains voltage: 230 V (+/- 15%)
Power input: max. 305 W
Charging voltage: 12 V
End of charging voltage: 13.5–14.4 V
Charging characteristic: IUoU / IU
Dimensions: 285 x 142 x 70 mm
Weight: 1.75 kg
Certification mark: CE
Charging cable length: 1.4 m



ACCUCHARGER 12/24-20

The multitalent!

The Banner Accucharger 12/24-20 offers everything that one needs. It is highly efficient and simple to use, and allows the charging of conventional starter batteries without the necessity of disconnection from the vehicle inboard network. The device is especially suitable for cars, commercial vehicles, old timers and boats.



FEATURES

Der Banner Accucharger 12/24-20 offers four differing areas of application!

- **Charging mode:** automatic charging with the IUoU characteristic
- **Buffer charging:** operation of switched on users during the charging procedure
- **Support:** of inboard networks without installed starter battery – voltage retention during battery changes
- **Trickle charging:** automatic switch to trickle charging following full charging
- Compact shape due to the use of primarily adjusted power electronics
- Based on inverter technology
- Electronic reverse polarity and thermal overload protection
- Charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Banner Accucharger 12/24-20

Art. No.: 1232402000

Mains voltage: 230 V; 50 Hz

Power input: max. 20 A

Battery capacity: 44 – 300 Ah

Mains voltage: 230 V (+/- 15%)

Power input: max. 565 W

Charging voltage: 12/24 V

End of charging voltage: 12 V: 13.5–14.4 V; 24 V: 27–28.8 V

Charging characteristic: IUoU / IU

Dimensions: 285 x 142 x 70 mm

Weight: 2.05 kg

Certification mark: CE

Charging cable length: 1.4 m



ACCUCHARGER 24-10

The strong one!

The Banner Accucharger 24-10 offers everything that one needs. It is highly efficient and simple to use, and allows the charging of conventional starter batteries without the necessity of disconnection from the vehicle inboard network. The device is especially suitable for cars, commercial vehicles, old timers and boats.



FEATURES

The Banner Accucharger 24-10 offers four differing areas of application!

- **Charging mode:** automatic charging with the IUoU characteristic
- **Buffer charging:** operation of switched on users during the charging procedure
- **Support** of inboard networks without installed starter battery – voltage retention during battery changes
- **Trickle charging:** automatic switch to trickle charging following full charging
- Compact shape due to the use of primarily adjusted power electronics
- Based on inverter technology
- Electronic reverse polarity and thermal overload protection
- Electronic safety
- Charging of lead-acid, lead calcium/silver, AGM and zero-maintenance lead-gel batteries

TECHNICAL DATA

Model: Banner Accucharger 24-10

Art. No.: 1232401000

Charging current: max. 10 A

Battery capacity: 36–180 Ah

Mains voltage: 230 V (+/- 15%)

Power input: max. 308 W

Charging voltage: 24 V

End of charging voltage: 27–28.8 V

Charging characteristic: IUoU / IU

Dimensions: 285 x 142 x 70 mm

Weight: 1.75 kg

Certification mark: CE

Charging cable length: 1.4 m



ACCUCHARGER MPL 10

The Accucharger MPL 10 for calcium technology

Allows switching between 12 V batteries (calcium technology) and other 12 V batteries (lead/antimony, hybrid technology).



FEATURES

The Accucharger MPL 10 not only protects the battery against danger, but also the user against harm.

- Protection against incorrect connection – battery does not charge
- Protection against sparks should the terminal clamps touch
- Deep discharge check – if the voltage is lower than 8V, then the battery is treated as deep discharged
- Automatic differentiation between deep discharging with high or low resistance
- Automatic trickle charging
- **Special sulphation program, which automatically charges sulphated batteries with a higher voltage**

TECHNICAL DATA

Model: Accucharger MPL 10
Art. No.: 1240003000
Voltage: 220–240 V; 50–60 Hz
Charging voltage: 15.85 V, nominal 12 V
Charging current: max. 10 A
Battery type: 12 V lead battery
Battery capacity: 35–110 Ah
Charging characteristic: IUoU



ACCUCHARGER PRO 35A

Special charger with graphic display and regeneration mode for deeply discharged calcium batteries.

The Banner Accucharger Pro 35A not only revitalises deep discharged Ca/CA batteries, but also AGM batteries.



With Banner characteristic in the refresh mode!

FEATURES

Applications: cars, trucks, buses, motorcycles, emergency vehicles, construction and agricultural machinery

- **Charging:** automatic charging and cushioning of parallel consumers
- **Diagnosis and software update:** buffer operation supplies the vehicle during the diagnosis process
- **Battery changes:** support operation ensures the retention of vehicle data during battery changes
- **Mains part mode:** external supply without a battery
- **Refresh mode** regenerates deep discharged batteries
- **Self-recognising battery voltage pre-selection** at 6V, 12V and 24V
- **Plug-in charging and mains cables**
- **Edge protection for stability** and protection against paint damage
- **Optional USB interface** for software updates
- **Expert mode:** facilitates configuration by the user for the setting of the end charge voltage, retention charge voltage and constant buffer operation voltage

TECHNICAL DATA

Type: Banner Accucharger Prof. 35A

Art. No.: 1232403035

Mains voltage: 230 V AC; $\pm 15\%$, 50/60 Hz

Charging current: max. 35 A

Battery capacity: 3 -350 Ah

Rated charging voltage: 6V/12V/24V

Refresh mode charging voltage: wet 16 V, AGM 14.8V

Charging characteristic: IUoU / IU

Dimensions: 247 x 162 x 88 mm

Weight: 2.0 kg

Certification mark: CE

Standard charging cable length: 2.5 m (optional 5m)

Standard mains cable length: 2m (optional 5m)

Wall holder: snap-in optional



ACCUMATE 612 CHARGER

The AccuMate 612 charges all 6 and 12 V batteries automatically, reliably and effectively.

This device remains in constant communication with your battery and adjusts to its status with regard to charging current and voltage.

The AccuMate operates fully automatically and intelligently, fully charges your battery and then maintains it, if necessary over several months.



FEATURES

- Interactive battery charging, which adjusts automatically to the battery status
- Special electronics protect against clamp short circuits and reverse polarity during connection
- Spark suppression system
- The output circuit switches off automatically when the charger is separated from the battery
- Secure maintenance over months when the battery is fully charged
- **Ideal for batteries in seasonal vehicles, old timers and boats**
- No danger of overheating due to automatic temperature control
- 3-LED battery status display

TECHNICAL DATA

Model: AccuMate 612
Art. No.: 1240000200
Voltage: nominal 6 / 12 V
Charging voltage: max. 14.3 V
Charging current: 1.2 A
Charging device type: 4-level, fully automatic charging
Battery types: 6-/12 V lead battery, AGM, gel
Battery capacity: 4 – 75 Ah
Characteristic: UI



ACCU PRO CHARGER

Fully automatic 12 V and 24 V charger

This fully automatic 12 V and 24 V charger is fitted with a diversity of safety features, in order to prevent damage to the battery and harm to the user. The 3-colour display allows the status of the battery to be monitored throughout the charging process.



FEATURES

Accu Pro protects both batteries and users against operating errors.

- 3-LED battery status display
- Protection against reverse polarity
- Protection against poling errors
- Protection against short circuits
- Temperature monitoring as a safeguard against overheating
- Suitable for trickle charging
- Automatic temperature monitoring
- Ideal for prolonged charging
- Including battery clamps and ring terminal set

TECHNICAL DATA

Model: Accu Pro

Art. No.: 1240001700

Voltage: 220–240 V; nominal 12 / 24 V

Charging voltage: max. 14.4 / 28.8 V

Charging current: 3.5/7 A

Battery capacity: 18–150 Ah

Dimensions: 150 x 165 x 175 mm

Weight: 2.6 kg



COMFORT INDICATOR

The **COMFORT INDICATOR** shows when the battery charge has weakened and when charging is required.

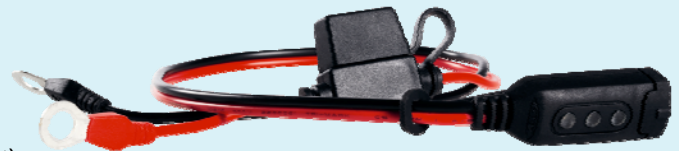
This product range can be used with 12V chargers from CTEK (XS0.8, MXS3.6 und MXS7.0) fitted with comfort plugs (black-orange).

- Charging status >90%, no charging required
- Charging status 90%-50%, charging recommended in order to ensure that sufficient capacity and cold start current are available
- Charging status <50%, charging necessary



COMFORT INDICATOR EYELET

- 8.4mm ring cable shoe
- 400mm cable
- Max. 10A
- IP65 (protected against splashed water and dust)
- Art. No.: 1240002182
- Also available as a SET with the MXS4003 (1240002140) and MXS7000 (1240002170)



Perfect for motor mowers, second-hand cars and vehicles on display forecourts, or in other words, for all applications involving insufficient charging times. This means that you will never again be confronted by a vehicle that fails to start during a sale. The device can be mounted permanently and therefore the battery status can be read off at any time.

Ideal for short distance drivers. The simple installation of the Comfort Indicator in the engine compartment means that the battery status can be checked at a glance every time water is refilled or the oil is level is measured.

COMFORT INDICATOR CLAMPS

- Original CTEK clamps
- 1000mm cable
- Max. 10A
- IP65 (protected against splashed water and dust)
- Art. No.: 1240002184



Professional users can now also check the charging status of inaccessible batteries. For vehicle dealers this results in fewer complaints, as the charging status of vehicle batteries can be constantly maintained at an ideal level.

Note. Suitable for the CTEK XS0.8, MXS3.6 and MXS 7.0 models for the Normal, Snowflake and Supply. Charging modes. In the case of the reconditioning mode, the battery must be separated from the vehicle's electronic systems.



LD250S DUAL CHARGER

The D250S DUAL charger obtains its energy from DC electricity sources, e.g. dynamos, solar modules or wind power plants and optimises this current, in order to meet the charging requirements of various battery banks. The D250S DUAL is especially suitable for the charging of batteries in caravans, motor caravans, boats and weekend homes.



FEATURES

- Multi-stage charging with generators and solar modules.
- Maintenance charging of starter batteries.
- Maximised battery life due to minimised undercharge times.
- In the case of constantly fully charged batteries, maximum battery capacity is attained, whereby detrimental sulphate crystals on the lead plates and acid stratification can be avoided.
- 5-stage, fully automatic charging cycle.

TECHNICAL DATA

Model: CTEK D250S DUAL

Art. No.: 1240002085

Charging voltage: 14.4V

Charging current: max. 20A

Operating temperature: -20°C to +50°C

Charger type: 5-stage, fully automatic characteristic

Battery types: 12V lead-acid batteries, maintenance-free, AGM, GEL and calcium

Battery capacity: 40-300Ah

Protection: IP 65

Dimensions: 192 x 110 x 65mm

Weight: 0.73kg



CHARGER XC 0.8

The CTEK Multi XC 0.8 is the cleverest charger around for 6V batteries. It is ideal for old timers, seasonal vehicles, motorcycles and other vehicles with 6 V batteries up to 100 Ah. As compared to other chargers, it stands out due to its simple operation, flexibility and the safety offered for the device and the user. The CTEK Multi XC 800 is state of the art and guarantees maximum battery life.



FEATURES

- Especially protective maintenance to meet special battery demands
- Fully automatic charging and maintenance procedure
- Allows connection over several months
- Protection against damage to electronic systems
- Suitability for all weathers and temperatures
- Special safety measures for the user
- Patented reduction in sulphate content, which leads to longer battery life
- Impervious to dust and water splashes

TECHNICAL DATA

Model: Multi XC 0.8

Art. No.: 1240001960

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 7.2 V; nominal 6 V

Reverse current: <1 mA

Charging current: max. 0.8 A

Operating temperature: –20°C and +50°C

Charger type: 4-level, fully automatic characteristic with impulse charging

Battery types: 6 V lead batteries, zero maintenance, AGM, gel

Battery capacity: 1.2 - 32 Ah

Type of protection: IP 65

Dimensions: 142 x 51 x 36 mm

Weight: 0.3 kg



CHARGER XS 0.8

The **CTEK Multi XS 0.8** is the ultimate charger for 12V batteries. It is ideal for motorcycles, cars, lawn mowers, jet skis and other vehicles with 12 V batteries up to 100 Ah. As compared to other chargers, it stands out due to its simple operation, flexibility and the safety offered for the device and the user. The CTEK Multi XS 800 is state of the art and guarantees maximum battery life.



FEATURES

The **Multi XS 0.8** offers special protection for the device and the user.

- Especially protective maintenance to meet special battery demands
- Fully automatic charging and maintenance procedure
- Allows connection over several months
- Protection against damage to electronic systems
- Suitability for all weathers and temperatures
- Special safety measures for the user
- Patented reduction in sulphate content, which leads to longer battery life
- Impervious to dust and water splashes

TECHNICAL DATA

Model: Multi XS 0.8

Art. No.: 1240001950

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 14.4 V; nominal 12 V

Reverse current: <1 mA

Charging current: max. 0.8 A

Operating temperature: –20°C to +50°C

Charger type: 4-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead batteries, zero maintenance, AGM, gel

Battery capacity: 1.2 - 32 Ah

Type of protection: IP 65

Dimensions: 142 x 51 x 36 mm

Weight: 0.3 kg



CHARGER MULTI XS 3.6

The MULTI XS 3.6 is a versatile charger with a compact design. It is especially practical in the household, as it is suitable for the charging of all vehicle batteries. As compared to other chargers, it stands out due to its simple operation, flexibility and the safety offered for the device and the user. The MULTI XS 3600 is state of the art and guarantees maximum battery life.



FEATURES

- Especially protective maintenance to meet special battery demands
- Fully automatic charging and maintenance procedure
- Allows connection over several months
- Protection against damage to electronic systems
- Suitability for all weathers and temperatures
- Special safety measures for the user
- Patented reduction in sulphate content, which leads to longer battery life
- Impervious to dust and water splashes

TECHNICAL DATA

Model: MULTI XS 3.6

Art. No.: 1240002000

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 14.4 or 14.7 V; nominal 12 V

Reverse current: <1 Ah/month

Charging current: max. 3.6 A

Operating temperature: –20°C to +50°C

Charger type: 4-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead batteries, zero maintenance, AGM, gel and calcium

Battery capacity: 1.2 - 120 Ah

Type of protection: IP 65

Dimensions: 165 x 61 x 38 mm

Weight: 0.5 kg



CHARGER MULTI XS 5.0

The MXS 5.0 is fitted with the very newest technology.

The charger incorporates the latest know-how from the professional area. Charging in eight stages, battery diagnosis and a special reconditioning function make the MXS 5.0 suitable for every application. Charging current of between 0.8A and 5A can be selected and an additional mode allows batteries to be charged in cold winter weather.



FEATURES

- Fully automatic, 8-stage charger
- Battery diagnosis
- Reconditioning function for deep discharged batteries with acid stratification
- Maintenance function
- Cold mode selection for winter charging
- Vehicle electronics protection: no sparks or reverse polarity, safe against short-circuits
- Sealed against dust and water splashes

TECHNICAL DATA

Model: MULTI XS 5.0

Art. No.: 1240002030

Voltage: 220 - 240V AC; 50–60 Hz

Charging voltage: 14.4/14.7/15.8

Min. battery voltage: 2.0V

Charging current: max. 5 A

Operating temperature: –20°C to +50°C

Charger type: 8-stage, fully automatic characteristic with impulse charging

Battery types: 12 V lead-acid batteries, maintenance-free, AGM, GEL und calcium

Battery capacity: 1.2 to 110 Ah, charge retention up to 160 Ah

Protection: IP 65

Dimensions: 168 x 65 x 38 mm

Weight: 0.6 kg



CHARGER MULTI XS 7.0

The MULTI XS 7.0 is the universal charger for cars, boats and caravans and can also be used as a mains device. This function that is especially useful during battery changes, as engine, alarm and radio settings are not lost. The MULTI XS 7.0 is technically state of the art and guarantees maximum battery life.



FEATURES

- Fully automatic charging and maintenance procedure
- Patented reduction of the sulphate content – results in longer battery life
- Suitable for all types of weather and temperatures
- Can remain connected for several months
- Supply mode: function as a mains device when the battery has been disassembled
- Reconditioning mode: reactivation of deep discharged batteries
- Compatible with other electronic devices
- Provides protection against damage to the electronic systems
- Offers special safety measures for users
- Sealed against dust and water splashes

TECHNICAL DATA

Model: MULTI XS 7.0

Art. No.: 1240002050

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 13.6 V; 14.4 V; 14.7 V/supply; 16 V/reconditioning; nominal 12 V

Reverse current: <2 Ah/month

Charging current: max. 7 A

Operating temperature: –20°C to +50°C

Charger type: 8-stage, fully automatic characteristic with impulse charging

Battery types: 12V lead-acid batteries, maintenance-free, AGM, GEL und calcium

Battery capacity: 14 to 225 Ah

Protection: IP 65

Dimensions: 191 x 89 x 48 mm

Weight: 0.8 kg



CHARGER MULTI XS 10

The **MXS 10** is for professional use in workshops. The MXS 10 is equipped with the latest technology and is also ideal for employment in caravans, motor caravans, boats and vehicles. Battery diagnosis and reconditioning functions, as well as a temperature sensor for perfect charging, make the 10-Amp charger a truly professional piece of equipment.



FEATURES

- Fully automatic, 8-stage charger for perfect battery care
- Support operation for disassembled batteries
- Reconditioning function for deep discharged batteries with acid stratification
- Maintenance function
- Cold mode selection for winter charging
- Vehicle electronics protection: no sparks or reverse polarity, safe against short-circuits
- Sealed against dust and water splashes

TECHNICAL DATA

Model: MULTI XS 10

Art. No.: 1240002055

Voltage: 220 - 240V AC; 50–60 Hz

Charging voltage: 14.4/14.7/15.8/13.6

Min. battery voltage: 2.0V

Charging current: max. 10 A

Operating temperature: –20°C to +50°C

Charger type: 8-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead-acid batteries, maintenance-free, AGM, GEL und calcium

Battery capacity: 20 to 200 Ah, charge retention up to 300 Ah

Protection: IP 65

Dimensions: 197 x 93 x 49 mm

Weight: 0.8 kg



CHARGER MULTI XT 14

The MULTI XT 14 represents the ideal solution for all 24 V batteries. This charger can be used as a power supply unit and is able to revive even deeply discharged batteries. As compared to other chargers, it stands out due to its simple operation, flexibility and the safety offered for the device and the user. The MULTI XT 14 is state of the art and guarantees maximum battery life.



FEATURES

- Fully automatic charging and maintenance procedure
- Patented reduction in sulphate content, which leads to longer battery life
- Suitability for all weathers and temperatures
- Allows connection over several months
- Supply mode: functions as a power supply unit when a battery has been removed
- Reconditioning mode: reactivation of deeply discharged batteries
- Compatibility with other electronic devices
- Protection against damage to electronic systems
- Special safety measures for the user
- Battery maintenance for professionals – quick, damage-free charging of empty batteries

TECHNICAL DATA

Model: MULTI XT 14

Art. No.: 1240002070

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 28.8 V; nominal 24 V

Reverse current: <2 Ah/month

Charging current: max. 14 A

Operating temperature: –20°C to +50°C

Charger type: 7-level, fully automatic characteristic

Battery types: 24 V lead batteries, zero maintenance, AGM, gel and calcium

Battery capacity: 28 - 500 Ah

Type of protection: IP 44

Dimensions: 235 x 130 x 65 mm

Weight: 1.8 kg



CHARGER MULTI XS 25

The MULTI XS 25 offers top performance for batteries in motor caravans, boats and workshops. This charger can be used as a power supply unit and is able to revive even deeply discharged batteries. As compared to other chargers, it stands out due to its simple operation, flexibility and the safety offered for the device and the user. The MULTI XS 25 is state of the art and guarantees maximum battery life.



FEATURES

- Fully automatic charging and maintenance procedure
- Patented reduction in sulphate content, which leads to longer battery life
- Suitability for all weathers and temperatures
- Allows connection over several months
- Supply mode: functions as a power supply unit when a battery has been removed
- Reconditioning mode: reactivation of deeply discharged batteries
- Compatibility with other electronic devices
- Protection against damage to electronic systems
- Special safety measures for the user
- Impervious to dust and water splashes

TECHNICAL DATA

Model: MULTI XS 25

Art. No.: 1240002090

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 14.4 V; nominal 12 V

Reverse current: <2 Ah/month

Charging current: max. 25 A

Operating temperature: –20°C to +50°C

Charger type: 8-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead batteries, zero maintenance, AGM, gel and calcium

Battery capacity: 50 - 500 Ah

Type of protection: IP 44

Dimensions: 235 x 130 x 65 mm

Weight: 1.4 kg



MULTI XS 25 EXTENDED

The **MULTI XS 25 EXTENDED** offers top performance for batteries in motor caravans, boats and workshops.

This charger can be used as a power supply unit and is able to revive even deeply discharged batteries. In addition, the MULTI XS 25 EXTENDED comes with a lifting platform holder and a 6-metre charging cable. It is state of the art and guarantees maximum battery life.



FEATURES

The **MULTI XS 25 EXTENDED** comes with a lifting platform holder and a 6-metre charging cable!

- Fully automatic charging and maintenance procedure
- Patented reduction in sulphate content, which leads to longer battery life
- Suitability for all weathers and temperatures
- Allows connection over several months
- Supply mode: functions as a power supply unit when a battery has been removed
- Reconditioning mode: reactivation of deeply discharged batteries
- Compatibility with other electronic devices
- Protection against damage to electronic systems
- Special safety measures for the user
- Impervious to dust and water splashes

TECHNICAL DATA

Model: MULTI XS 25 EXTENDED

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 14.4 V; nominal 12 V

Reverse current: <2 Ah/month

Charging current: max. 25 A

Operating temperature: –20°C to +50°C

Charger type: 8-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead batteries, zero maintenance, AGM, gel and calcium

Battery capacity: 50 - 500 Ah

Type of protection: IP 44

Dimensions: 235 x 130 x 65 mm

Weight: 1.4 kg



CHARGER MXTS 70

The **MSTS 70** offers the very latest technology for workshops.

The device has been developed for 12V and 24V charging. The display shows the charging status, charging voltage and current, the charging time and the charged capacity. A special 8-stage charging curve ensures that deep discharged batteries are recharged in an optimum manner and also secures charge retention.



FEATURES

- 12V and 24V battery charging
- Charging current selection: with 12V in 10A steps, with 24V in 5A steps
- 8-stage charging curve
- Support operation with 13.6V and 27.2 V
- Robust casing
- Patented program for dealing with sulphated batteries
- Battery diagnosis
- Program for deep-discharged batteries
- Secure against polarity reversal and short circuits

TECHNICAL DATA

Model: MXTS 70

Art. No.: 1240002270

Charging voltage: max. 16V/32V

Charging current: max. 70A/35A

Charger type: 8-stage, fully automatic characteristic with impulse charging

Battery types: all types of 12/24V lead-acid batteries

Battery capacity: 12V: 40-1500 Ah, 24V: 20-750 Ah

Protection: IP 20



OptiMATE5

Optimum battery care for medium-sized and large batteries.

The new OptiMate5 tests and charges batteries automatically. Even deeply discharged batteries with a terminal voltage of 2V can be recharged. The OptiMate5 is ideal for maintenance charging over a protracted period.



FEATURE

The all-in-one charger for the home

- Safety check: the charging procedure begins at a battery voltage of min. 2V.
- Desulphation: if necessary the battery is again prepared for recharging.
- Charging: the battery is recharged with constant current of 2.8A.
- Charging status test: the battery is tested after charging and if required, charged again.
- Maintenance charging: the charging status of the battery is examined at 30-minute intervals and recharging takes place when necessary.

TECHNICAL DATA

Model: Optimate5

Art. No.: 1240003050

Mains voltage: 230V; 50Hz

Charging current: max. 2.8A

Battery capacity: 7.5 -120Ah

Input power: max. 182W

Charging voltage: 12V

Final charging voltage: 13.7–14.3V

Dimensions: 199 x 71 x 61mm

Weight: 0.6kg

In- and output cable length: 2m

Casing protection class: IP 54



OptiMATE6

New technology for battery care, testing and charging.

The new OptiMate6 is the world's most modern and versatile battery charging, maintenance and testing device. It consists of a single unit contained in a stylish, robust, weatherproof casing.



FEATURES

New technology for the care of 12V batteries.

- Optimised battery output and service life
- Regeneration mode for deep discharged batteries
- Early warning of battery problems
- Unique testing and maintenance cycle through the ongoing monitoring of battery voltage
- Automatic current control for optimum charging current setting via battery checks

TECHNICAL DATA

Model: Optimate6

Art. No.: 1240003080

Mains voltage: 230 V; 50 Hz

Charging current: max. 5 A

Battery capacity: 15 -240 Ah

Power input: max. 182 W

Charging voltage: 12 V

End-of-charge voltage: 13.7–14.3 V

Dimensions: 199 x 71 x 61 mm

Weight: 0.740 kg

Input and output cable length: 2 m



Banner *POWERTOOL 3600*

The Banner Powertool 3600 is a versatile device for battery charging and charge retention.

With its compact housing, the Powertool represents a versatile charger. The charge status is shown by means of an LED display and a separate cold mode ensures full batteries in wintry weather.



FEATURES

- Possibility to select charging current for lower capacity batteries
- Fully automatic charging and maintenance procedure
- Can remain connected for several months
- Protection against electronic system damage
- Suitable for all weathers and temperatures
- Pulse retention charging for maximum battery life
- Patented sulphate content reduction, which leads to extended battery life
- Sealed against dust and water splashes

TECHNICAL DATA

Model: Banner POWERTOOL 3600

Art. No.: 1240003600

Voltage: 170–260 V AC; 50–60 Hz

Charging voltage: 14.4 or 14.7 V; nominal 12 V

Reverse current: <1 Ah/month

Charging current: 0.8/3.6 A

Operating temperature: –20°C to +50°C

Charger type: 4-level, fully automatic characteristic with impulse charging

Battery types: 12 V lead-acid batteries, maintenance-free, AGM, GEL und calcium

Battery capacity: 1.2 to 75 Ah, charge retention up to 120 Ah

Protection: IP 65

Dimensions: 165 x 61 x 38 mm

Weight: 0.5 kg



Banner *POWERTOOL 7000*

POWERTOOL 7000 is the universal charger for cars, boats and motor caravans. Moreover, this charger can also be used as a mains device, a function that is especially useful during battery changes, as engine, alarm and radio settings are not lost.

The POWERTOOL 7000 represents the state-of-the-art and guarantees maximum battery life.



FEATURES

- Fully automatic charging and maintenance.
- Patented reduction in sulphate content, which results in longer service life.
- Suitable for all weather conditions and temperatures.
- Can remain connected for several months.
- Supply mode: functions as a mains device when a battery has been removed.
- Reconditioning mode: reactivation of deep discharged batteries.
- Compatible with other electronic devices.
- Offers protection against damage to electronic systems.
- Provides special safety measures for users.
- Dust- and splash-proof.

TECHNICAL DATA

Model: Banner POWERTOOL 7000

Art. No.: 1240007000

Voltage: 170–260V AC; 50–60Hz

Charging voltage: 13.6V; 14.4V; 14.7V/supply; 16V/reconditioning; nominal 12V

Charging current: max. 7A

Operating temperature: –20°C to +50°C

Charger type: 8-stage, fully automatic characteristic with impulse charging

Battery types: 12V lead battery, maintenance-free, AGM, GEL and calcium

Battery capacity: 14 - 225Ah

Protection: IP 65

Dimensions: 191 x 89 x 48 mm

Weight: 0.8kg



Banner *PROFILADER*

The versatile charger for your batteries.

This device has a steel sheet housing and flexibly matches the demands of the charging process. The rated voltage extends from 12 – 120 V and in addition, virtually all characteristics are adjustable. The Profilader has four robust casters in order to allow simple transport.



FEATURES

- Ideal for trickle charging
- Automatic connection checks
- Display module for information concerning the charging program and sequence
- Operating status signalling using four light diodes
- Automatic error display
- Main charging time monitoring
- Protection against reverse polarity
- Virtually all characteristics are adjustable
- Casters for simple transport

TECHNICAL DATA

Model: Profilader
Art. No.: 1200006000
Voltage: 400 V AC
Rated voltage: 12 / 24 / 36 / 48 / 80 / 120 V
Output: 4.9 kVA
Charging voltage: max. 2–144 V
Charging current: 30 A
Mains current: 3 x 12 A
Ambient temperature: 0° C to +40° C
Battery types: wet, gel
Characteristic: Ia, IUa, IUoU
Battery capacity: 3–300 Ah
Type of protection: IP 21
Dimensions: 500 x 700 x 360 mm
Weight: 80 kg