

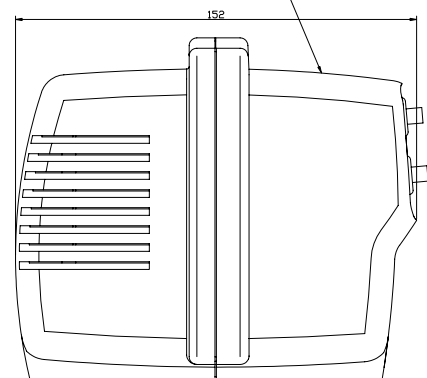
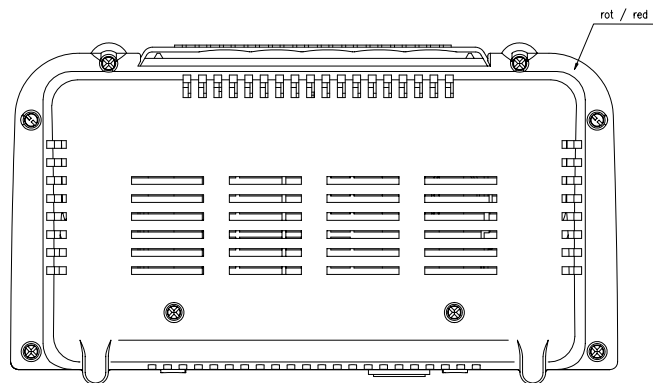
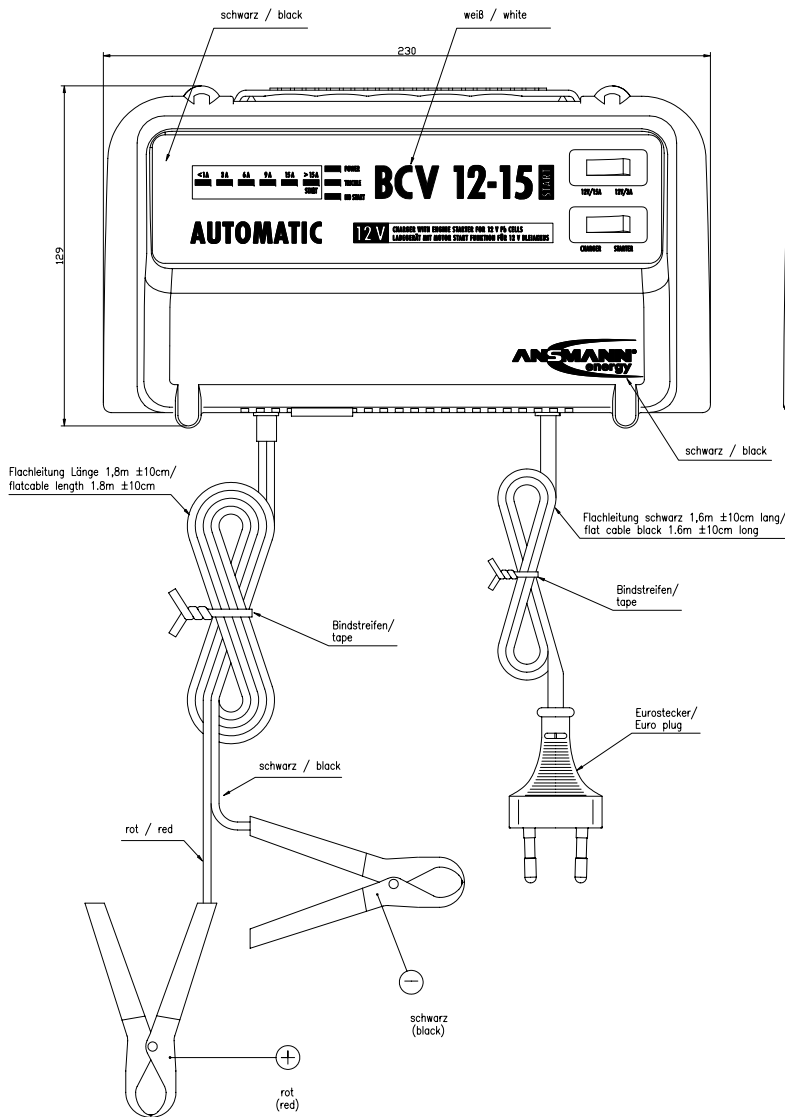
schwarze Bedruckung auf Oberseite/
black printing on the top

For indoor use or do not expose to rain. Before charging, study the instruction sheet.
Disconnect the supply before making or breaking connections to the battery. Warning!
Explosive gases prevent flames and sparks. When charging a battery in a garage or
similar location, locate the battery charger in a room or enclosure provided for this
purpose, due to electronic parts may cause sparks.

Our Battery Charger
Model: CSM-A-12V BCU 12-15 (80W)
Input: AC 230V ~ 50Hz 1000Watt (max) / 1000Watt (max)
Output: DC 12V to 15A (max) (15A)
DC 12V to 3A (max) (3A)
DC 12V to 3A (max) (3A)
DC 12V to 3A (max) (3A)
CE: 12V to 3A (max) (3A)
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Polarity: Red Clamp (+), Black Clamp (-) **MADE IN CHINA**



Technische Daten Ladegerät/ technical data charger

Eingangsdaten/
input data : 230V AC $\pm 10\%$ / 50Hz max. 650W
Ausgangsdaten
output data : output values measured with resistor and 0.1F capacitor
output voltage at no load:
switch position "Starter" : $21V \pm 10\%$
switch position "Charge" : $17V \pm 10\%$
output current at switch position "Charge":
switch position 12V/15A : $9.5A (15A \text{ RMS}) \pm 10\%$ at 12V
switch position 12V/3A : $2.0A (3.0A \text{ RMS}) \pm 50\%$ at 12V
output current at switch position "Starter":
switch position "Starter" : $30A \pm 10\%$ at 9V

Erhalteladestrom/
trickle charging : $200mA \pm 50\%$
Ladeverfahren/
charge system : WU
Ladeschlussspannung/
charge end voltage : $14.5V \pm 0.2V$
Ausgangsschutz/
output protection : Kurzschlußschutz/
short circuit protection : elektronisch/
electronical
Verpolschutz/
reverse polarity protection : elektronisch/
electronical
Überhitzungsschutz/
overheat protection : interner Temperatüfühler/
internal thermostat

Schutzart/
protection : IP20
Isolation/
insulation : 4kV Eingang/Ausgang
primary/secondary
Betriebstemperatur/
operating temperature : $0^\circ C \dots +25^\circ C$
Lagertemperatur/
storage temperature : $-25^\circ C \dots +70^\circ C$
Approbation/
approval : CE
Gehäuse/
case : rotes Tischgehäuse/
desktop case red

Ladeanzeige/ charging indicator

Ladung/
charging : Ladestrom ablesbar an 6-fach LED-Anzeige (von $>1A$ bis $>15A$)
current visible at 6 LED indicators (from $>1A$ till $>15A$)
Impulserhalteladung/
trickle charging : gelbe LED "Trickle" leuchtet /
yellow LED "Trickle" light
Betriebsanzeige/
Power indicator : grüne LED "Power" leuchtet/
green LED "Power" lights
Batterie zu schwach/
Battery too low : rote LED "No Start" leuchtet/
red LED "No Start" lights

Gewicht/
weight : 4450g inkl. Verpackung, mehrsprachiger Bedienungsanleitung und Zubehör/
4450g incl. package, multilingual manual and accessories
Verpackung/
package : Einzelverpackung, farbige Faltschachtel 243x190x176mm (LxBxH)/
individual package, colored folding box 243x190x176mm (LxBxH)
Verpackungseinheit/
packing unit : 2 Stück/ pieces

Verwendungsbezeichnung für Anfrage/for inquiry xxx/xx		Zul. Abweichung/ Allowable deviation	Überflä- chen/ Surface	Maßstab/Scale 1:1	Gewicht/Weight
				Werkstoff/Work material, Modell-Nr.	
		2006	23.08.	VS	Zeichnungsname/Drawing name
					BCV 12-15 "Start"
					Zeichnungsnummer/for drawing number
					5207372
					Blatt/Sheet
					1
Version	Änderung/Change	Datum/Date	Ursprung/Origin	Proj. 333/48/03	Ersatz für/Replaced by