

Battery Charger

Application :

Battery charging set servers to recharge batteries rapidly and with less damage to the batteries, To maintain the fully- charged state of lead or nickel-cadmium batteries and to cover the Power requirement of continuous loads.

Setting Normal charger :

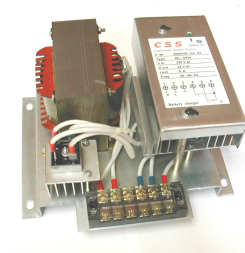
Disconnect terminal 6 and connect a voltmeter to terminals 5 and 6 .
Set potentiometer Vo so that the following appropriate final charge voltage is indicated :

For 12 V lead-acid battery / Nickel Cadium batt setting 13,5 V dc / 14 V dc

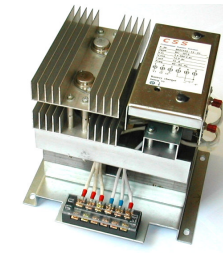
For 24 V lead-acid battery / Nickel Cadium batt setting 27,5 V dc / 28,5 V dc

Equalizing charge :

The charging set is reconnected by connecting terminals 4 and 6 to high charge.
The charging set is preset at the factory to **16V** (for BCxx12)/ **32V** (For BCxx24) dc if necessary .



BC 0512 / 0524



BC 1012 / 1024

Technical Data.

Type	BC 0512	BC 0524	BC 1012	BC 1024
Rated Current / Voltage	: 5 A / 12 V dc	5 A / 24 V dc	10 A / 12 V dc	10 A / 24 V dc
Input Voltage	: 220 V ac \pm 10 % 50 – 60 Hz	220 V ac \pm 10 % 50 – 60 Hz	3x380 Vac \pm 10 % 50 – 60 Hz	3x380 Vac \pm 10 % 50 – 60 Hz
Power consumption	: no-load 20VA; full-load 100VA	no-load 25VA; full-load 150VA	no-load 30VA; full-load 180VA	no-load 50VA; full-load 300VA
Efficiency	: n = 0.87	n = 0.87	n = 0.87	n = 0.87
Vo Adjustment range				
Normal charge	: 12 – 15 V dc	25 – 29 V dc	12 – 15 V dc	25 – 29 V dc
Output current	: maximum 5 A	maximum 5 A	maximum 10 A	maximum 10 A
Short-circuit behavior	: device automatically switches off during short-circuit or incorrect polarity.	device automatically switches off during short-circuit or incorrect polarity.	device automatically switches off during short-circuit or incorrect polarity.	device automatically switches off during short-circuit or incorrect polarity.
Temperature	: 0 °C to 80 °C	0 °C to 80 °C	0 °C to 80 °C	0 °C to 80 °C
Connection terminal	: M 3, max. wire 2.5 mm	M 3, max. wire 2.5 mm	M 3, max. wire 2.5 mm	M 3, max. wire 2.5 mm
Permissible duty cycle	: 100 %	100%	100 %	100 %
Weight	: 4,6 kg	4,8 kg	8,6 kg	8,8 kg
Maintenance	: no maintenance required	no maintenance required	no maintenance required	no maintenance required
Dimensions	: 220 mm x 190 mm x 112 mm	220 mm x 190 mm x 112 mm	220 mm x 190 mm x 215 mm	220 mm x 190 mm x 215 mm