Battery Charger

C S S

Customized System Solution

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 .

BCS 0512 / 0524 / 0312

Technical Data.

Type	:	BCS 0512	BCS 0524	BCS 0312
Rated Current / Voltage	:	5 A / 12 V dc	5 A / 24 V dc	3 A / 12 V dc
Input Voltage	:	220 V ac ± 10 % 50 – 60 Hz	220 V ac ± 10 % 50 – 60 Hz	220 Vac ± 10 % 50 – 60 Hz
Power consumption	:	no-load 10VA; full-load 100VA	no-load 15VA; full-load 150VA	no-load 5VA; full-load 40VA
Efficiency	:	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
Output current	:	maximum 5 A	maximum 5 A	maximum 3 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.
Temperature	:	0 ℃ to 80 ℃	0 ℃ to 80 ℃	0 ℃ to 80 ℃
Connection terminal	:	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 %
Weight	:	3,8 kg	4,2 kg	2,5 kg
Maintenance	:	no maintenance required	no maintenance required	no maintenance required
Dimensions	:	128 mm x 200 mm x 118 mm	128 mm x 200 mm x 135 mm	128 mm x 200 mm x 104 mm