



BCF...

**Switchmode battery chargers**

- Switchmode technology
- Charging cycle in accordance with DIN 41773 standards
- Automatic reset at end of alarm conditions

type	output voltage	output current	max. power consumption		description	dimensions (mm)		
			VA	W		(H)	(W)	(D)

**BCF series modular automatic switching battery chargers**

- Modular DIN rail mounting (*aligns with standard MCB's*) or chassis mount
- Wide auxiliary supply range 100 - 240 VAC ( $\pm 10\%$ ) 50/60Hz
- Protection:
  - Mains input fuse (*non replaceable*)
  - Battery output fuse
  - Electronic lock in case of short circuit on battery terminals, reverse Battery polarity and battery overload
- LED indication of:
  - Correct output voltage
  - Reverse battery polarity
- Alarm output relay (3A 250 VAC) AC1 duty

<b>BCF025012</b>	12V	2.5A	80	49	auto battery charger	96	90	56
<b>BCF045012</b>	12V	4.5A	150	70	auto battery charger	96	90	56
<b>BCF012524</b>	24V	1.25A	80	39	auto battery charger	96	90	56
<b>BCF025024</b>	24V	2.5A	150	77	auto battery charger	96	90	56

**BCG series rail mount switching battery chargers**

- High efficiency
- Wide auxiliary supply range 110 - 240 VAC ( $\pm 10\%$ ) 50/60Hz
- DIN rail or chassis mounting (*can be mounted vertically with adaptor*)
- Boost signal controlled by external contact
- Hiccup function for battery recharging when its voltage is lower than 50% rated value
- Maximum charging current limiting trimmer 20 - 100% (*adjustable from front*)
- Protection:
  - Mains input fuse
  - Electronic lock in case of short circuit on battery terminals, reverse Battery polarity and battery overload
- LED indication of:
  - Power ON
  - Charging operation  $I > 30\% I_c$
  - Overload or short circuit condition
  - Reverse battery polarity
- Alarm output relay (5A 30 VDC) duty

<b>BCG0612</b>	12V	6A	230	97	auto battery charger	150	162	63
<b>BCG1212</b>	12V	12A	384	190	auto battery charger	150	162	63
<b>BCG0524</b>	24V	5A	364	158	auto battery charger	150	213	63
<b>BCG1024</b>	24V	10A	630	311	auto battery charger	150	213	63

**Accessories for above BCG battery chargers**

**BCGX00** vertical side mount adaptor (*for space saving*) for **BCG0612** and **BCG0524**

**BCE series linear battery chargers**

- Linear technology
- Auxiliary supply voltage: 220 - 240 VAC ( $\pm 10\%$ ) 50/60Hz
- Charging current: 30 - 100% i.e (*adjustable*)
- Protection:
  - Mains input fuse (*except BCE2V524 and BCE0312*)
  - Battery output fuse
  - Electronic lock in case of short circuit on battery terminals, reverse Battery polarity output overload  $< 0.5 U_e$  and disconnected battery
- LED indication of:
  - Power ON
  - Charge  $I > 0.2 I_c$
  - Alarm for protection tripping
- Alarm output: Static NPN transistor BCE2V5 and BCE03 - others relay (5A 250 VAC)

<b>BCE0312</b>	12V	3	117	-	auto battery charger	93	134	100
<b>BCE0612</b>	12V	6	222	-	auto battery charger	130	192	140
<b>BCE1212</b>	12V	12	400	-	auto battery charger	230	192	140
<b>BCE2V524</b>	24V	2.5	166	-	auto battery charger	93	134	100
<b>BCE0524</b>	24V	5	317	-	auto battery charger	130	192	140
<b>BCE1024</b>	24V	10	610	-	auto battery charger	230	192	140



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