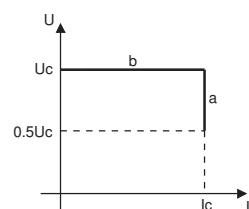


For not sealed lead-acid batteries



BCF...



a - constant current charge
b - constant voltage charge

Order code	Rated output current	Rated output voltage DC	Qty per pkg	Wt
	[A]	[V]	n°	[kg]
1 charging level.				
BCF 0250 12	2.5	12	1	0.332
BCF 0450 12	4.5		1	0.332
BCF 0125 24	1.25	24	1	0.332
BCF 0250 24	2.5		1	0.332

Alarms

	GREEN LED	RED LED	RELAY
Correct output voltage	ON	OFF	ON
Polarity inverted	—	ON	—
Short circuit	OFF	OFF	OFF
Overload	OFF	OFF	OFF

Type	Maximum power consumption	dissipation	Mains fuse
	[VA]	[W]	[A]
BCF 0250 12	96	40	2
BCF 0450 12	181	76	2
BCF 0125 24	96	39	2
BCF 0250 24	181	72	2

General characteristics

- Switching technology
- Modular housing, DIN rail mounting
- Wide auxiliary supply range.
- Protections:
 - Mains input fuse
 - Battery output fuse
 - Electronic lock in case of short circuit on battery terminals, battery polarity inversion, low voltage across battery poles (<0.5 Ue)
 - Relay alarm output.
- LED indications:
 - Correct output voltage
 - Battery polarity inverted.

Operational characteristics

- Auxiliary supply voltage: 100...240VAC (±10%) 50/60Hz (±5%)
- Charging cycle: in accordance with DIN 41773 standards
- Current limitation
- IEC degree of protection: IP20
- Fixed clamping screw terminal block with captive screws.

Alarm output circuit

- Type of output: 3A 250VAC relay (AC1).

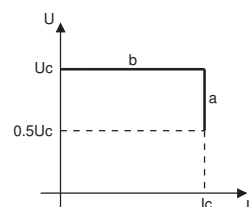
Certifications and compliance

Certifications obtained: cURus and GOST.
Compliant with standards: IEC/EN 60950-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL 60950-1, CSA C22.2 n°60950-1.

For sealed and not sealed lead-acid batteries



BCG...



a - constant current charge
b - constant voltage charge

Order code	Rated output current	Rated output voltage DC	Qty per pkg	Wt
	[A]	[V]	n°	[kg]
1 charging level.				
BCG 06 12	6	12	1	0.532
BCG 12 12	12		1	0.710
BCG 05 24	5	24	1	0.532
BCG 10 24	10		1	0.710
Accessories.				
BCG X00	Adapter for DIN rail vertical mount		1	0.022

Alarms

	POWER ON	REV	RELAY/ALARM LED
Correct output voltage	ON	OFF	ON
Polarity inverted	—	ON	—
Short circuit	OFF	OFF	OFF
Overload	OFF	OFF	OFF

Type	Maximum power consumption	dissipation	Mains fuse (Type T)
	[VA]	[W]	[A]
BCG 06 12	97	14	8
BCG 12 12	195	31	16
BCG 05 24	158	20	6.3
BCG 10 24	311	36	12

General characteristics

- Switching technology
- Screw fixing or DIN rail mounting
- Two charging voltages selectable by DIP-switch
- Wide auxiliary supply range
- Boost signal controlled by external contact
- Protection for short-circuit, overload and battery polarity inverted
- Charging current limiting trimmer resistor
- Alarm relay output with changeover contact.
- Protections:
 - Input fuse at AC side
 - Output protection to protect the battery (in case of battery charger malfunction)
 - Short circuit at output side (hiccup mode)
 - Reverse polarity
 - Automatic reset when the anomaly is removed.
- LED indications:
 - Power ON
 - Charging operation (I>20% I_c)
 - Overload or short circuit
 - Battery polarity inverted.

Operational characteristics

- Auxiliary supply voltage: 110...240VAC (90...264VAC)
- Charging voltage selectable between two values by dip-switch:
 - Not sealed Lead-Acid batteries
 - Sealed Lead-Acid batteries
- Maximum charging current setting by external trimmer:
 - 20...100% of rated current
- Changeover output for alarming:
 - 30VDC 5A
 - Active if alarms are not present
- Charging working cycle constant current / constant voltage in accordance with DIN 41773 standards
- IEC degree of protection: IP20.

Alarm output circuit

- Type of output: 5A 30VDC relay (AC1).

Certifications and compliance

Certifications: cULus (pending)
Compliant with standards: IEC/EN 60950-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL 60950-1, CSA C22.2 n°60950-1.