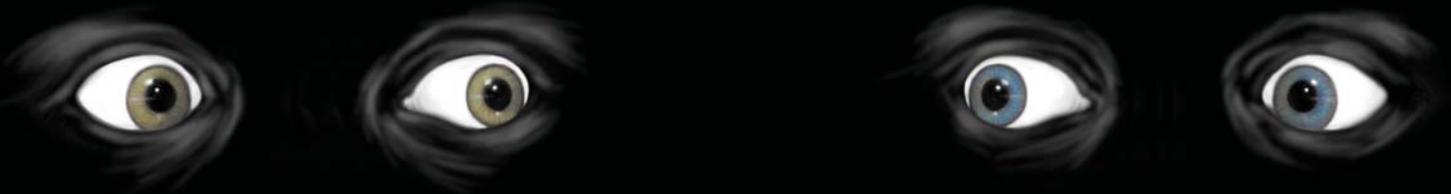


“WE SHOULD’VE GONE WITH MURPHY.”



Why Do Most Gensets Fail To Start? It’s Usually the Battery.

Keep your battery in optimal condition with a Murphy battery charger.

Murphy’s chargers keep your gensets running with high-quality construction, controlled charge currents and clean output. Murphy battery chargers include standard features that other brands only offer as extra options. You get stainless steel cases, auto boost, temperature compensation and more in every model. We also have them in stock and ready to go for immediate shipping.

Keep your gensets running smoothly. Upgrade your battery charger to Murphy.



**CE & UL approved
Automatic Battery Chargers**

www.fwmurphy.com

FW Murphy
phone +1 918.317.4100
e-mail sales@fwmurphy.com

MURPHY
reliable innovation

Murphy Battery Chargers

Sentry Model

Features:

- CE and UL Approvals
- Float Charging 5A at 12v
- Auto boost operation
- Electronic self-resetting output fuse protection
- Temperature compensation
- Charge fail relay output
- Stainless steel enclosure

Power Supply

Nominal operating voltages: 120V units
 Permissible voltage variation: $\pm 6\%$ of nominal
 Nominal operating frequency: 50-60Hz

DC Charge Output

Maximum current ADC: 5
 Nominal voltage VDC: 12

Float/Boost Voltages:

Battery Type	Float Volts (VDC)	Boost Volts (VDC)
12V Lead Acid (6 cells)	13.6	14.1

Charge Fail Output

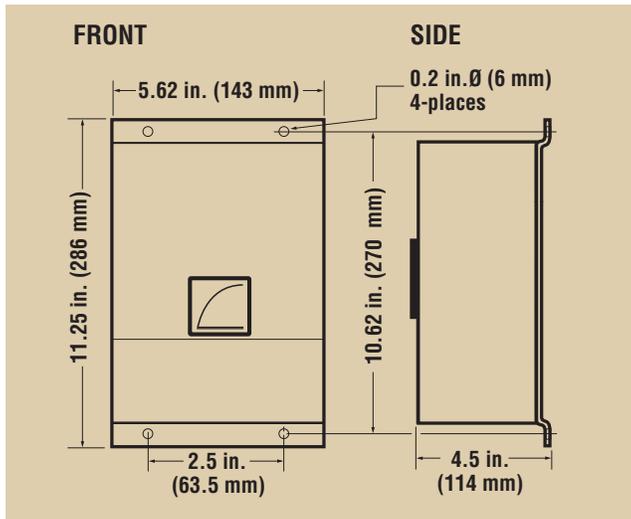
Relay type: volt free SPDT contacts; relay de-energized on fault
 Contact rating: 1A at 30V, DC (resistive load)

General

Operating temperature: +14 to +131°F (-10 to +55°C)
 EMC emission/immunity: EN 58801-2 / EN50082-2
 Weight: 11.9 lbs. (5.6 Kg.)

Model Info:

BCES-12-5 12 volt, 5A, lead acid cells



Guardian Model

Features

- CE and UL approvals
- Heavy duty float charging: 10A at 12/24 VDC, 20A at 24 VDC
- Short circuit and reverse polarity protection
- Lead acid calibrations
- Auto boost operation
- Charge fail relay output
- Under volts and over volts alarms
- Temperature compensation
- NFPA110 alarms

Power Supply

Nominal operating voltages: 120VAC $\pm 6\%$
 Permissible voltage variation: 120VAC $\pm 6\%$
 Nominal operating frequency: 50/60Hz

DC Charge Output

Maximum current ADC: 20/20
 Nominal voltage VDC: 24/12

Float/Boost Voltages:

Battery Type	Float Volts (VDC)	Boost Volts (VDC)
12V Lead Acid (6 cells)	13.6	14.1
24V Lead Acid (12 cells)	27.2	28.2

Charge Fail Output

Relay type: volt free SPDT contacts; relay de-energized on fault
 Contact rating: 1A at 30V, DC (resistive load)

	Normal Output VDC	
	12	24
Under Volts Alarm	12.5	25
Over Volts Alarm	15.5	31
Delay on under volts	120 seconds	

General

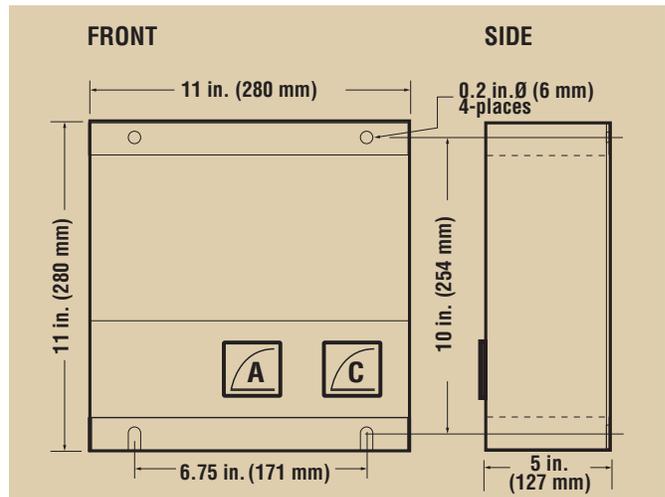
Operating temperature: +14 to +100°F (-10 to +38°C)
 EMC emission/immunity: EN 58801-2 / EN50082-2
 Weight: 17.9 lbs. (6.4 Kg.)

Fixing hole dimensions:

Width (between holes): 6.8" (173mm)
 Height (between holes): 10" (255mm)
 Fixing holes $\varnothing=0.2$ " (6mm)

Model Info:

BCEG-12-10 12 volt, 10A, lead acid cells
 BCEG-24-10 24 volt, 10A, lead acid cells
 BCEG-24-20 24 volt, 20A, lead acid cells



FW Murphy

P.O. Box 470248, Tulsa, OK 74147

phone: +1 918.317.4100

fax: 918.317.4266 e-mail: sales@fwmurphy.com

www.fwmurphy.com