

## BGW BATTERY GUARD WATERPROOF

### FEATURES

- Can be set to connect / disconnect at different voltages
- Batteries last longer
- Prevents damage to connected components
- Protects against excessive voltage caused by faulty alternators or chargers
- Microprocessor controlled

### APPLICATIONS

- Prevents excessive discharge of batteries
- Ideal for:
  - Marine
  - Automotive
  - Recreational vehicles
  - Industry
  - Solar



## 100 Amps

### TECHNICAL SPECIFICATIONS

Model	BGW 100
<b>ELECTRICAL</b>	
Input voltage range	6 ... 35 V
Maximum continuous output current (@25 °C)	100 A
Peak current (@25 °C)	500 A (±0.6 sec)
Voltage drop	50 mV @ 100 A
Current Output active	3.2 mA
Consumption Output inactive	3.2 mA
Voltage accuracy	2%
Current accuracy	10%
Maximum status / alarm output load	100 mA
<b>INPUT &amp; OUTPUT CONNECTOIN</b>	
Minimum wire diameter	35 mm <sup>2</sup>
Bolt size	M8
Cable lugs	Cable lugs must match the cable diameter used
<b>FASTON CONNECTIONS</b>	
Minimum wire diameter	1.5 mm <sup>2</sup>
Faston plug	6.3 mm
<b>MECHANICAL</b>	
Mounting hole (Ø)	4.5 mm
Distance between mounting holes (centre to centre)	60 mm, ± 1 mm
Weight	190 g
Dimensions (H*W*L)	34*72*73 mm
IP Code	IP66
Housing material	PU552
Housing colour	Black
Cooling concept	Convection and conduction

Technical Specifications subject to change without notification.

To view a full selection of Samlex products visit our website at:  
[www.samlex.com](http://www.samlex.com) or [www.samlex-solar.com](http://www.samlex-solar.com)

## TECHNICAL SPECIFICATIONS

<b>Model</b>	<b>BGW 100</b>
<b>GENERAL</b>	
Operational ambient temperature	-10 °C ... +40 °C
Storage temperature	-25 °C ... +85 °C
Operational air humidity	Up to 95%, non-condensing
Galvanic insulation	No
Remote contact switch-off	Yes
<b>PROTECTION</b>	
Overcurrent / Short circuit	Yes (after 1 minute restart)
Overheating, shutdown	Above 85 °C (after 1 minute restart)
Polarity protection	Yes, with 1A fuse in the minus (-) line

Technical Specifications subject to change without notification.