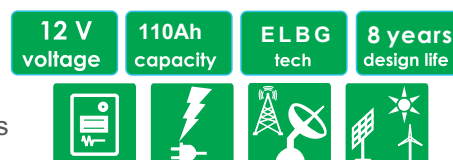




## ELBG 110-12 12V-110Ah

### ELBG SERIES VRLA BATTERY

By combining the newly developed nano GEL electrolyte with up-to-date agm structures, we created the innovation ELBG range of batteries. The range features 8 years design life and front access connections for fast, easy installation and maintenance. This range battery is highly suited to electric vehicle and telecom outdoor applications renewable energy systems and other harsh environment applications.



### TECHNICAL SPECIFICATIONS

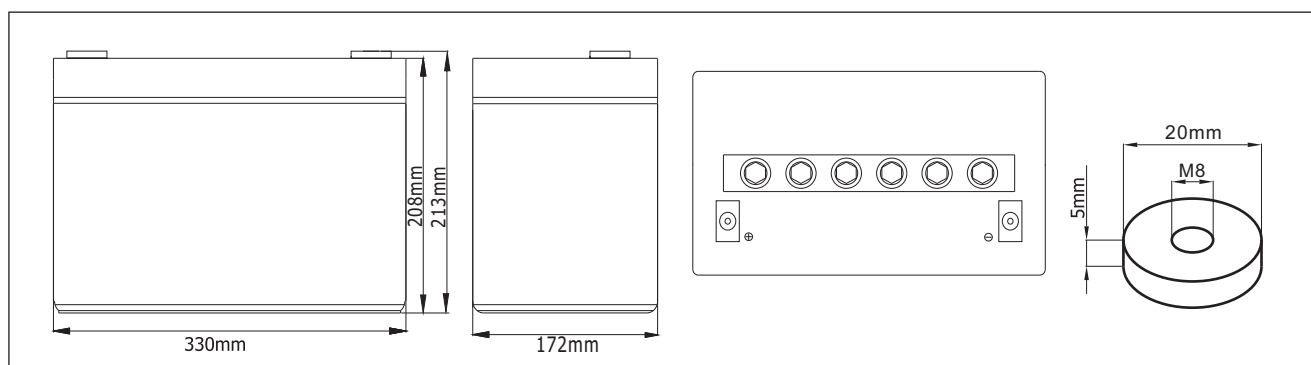
|                                                 |                                                              |
|-------------------------------------------------|--------------------------------------------------------------|
| Nominal Voltage (V)                             | 12 (6 cells per unit)                                        |
| Designed Floating Life (20°C)                   | 8 Years                                                      |
| Nominal Capacity (20°C)                         | 110Ah@20HR-rate to 1.75V PC                                  |
| Dimension (mm)                                  | L330mmxW172mmxH213mm                                         |
| Approx. Weight                                  | 30.5kg                                                       |
| Terminal Type                                   | Female Copper Insert M8 (torque:10~12N.m)                    |
| Internal Resistance                             | Approx. 0.006 Ohm (fully charged @ 20°C)                     |
| Max. Charge Current                             | 25A                                                          |
| Max. Discharge Current (5S)                     | 800A                                                         |
| Short Circuit Current                           | 2600A                                                        |
| Self Discharge                                  | Approx. 3% per month @ 20°C                                  |
| Ambient Temperature                             | Discharge: -25~65°C<br>Charge: -25~60°C<br>Storage: -25~45°C |
| Float Charge Voltage (20~25°C)                  | 13.6-13.8V (-3mV/cell/°C)                                    |
| Equalize and cycle Use Charge Voltage (20~25°C) | 14.2-14.5V (-5mV/cell/°C)                                    |
| Container Material                              | ABS (UL94-V0 optional)                                       |

#### Complied standards

- IEC 60896-21/22
- IEC 61427



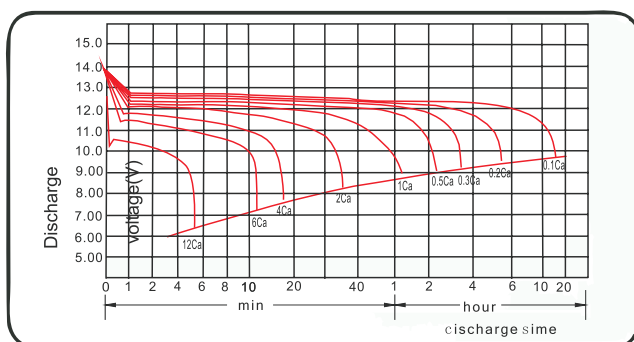
### BATTERY DIMENSIONS



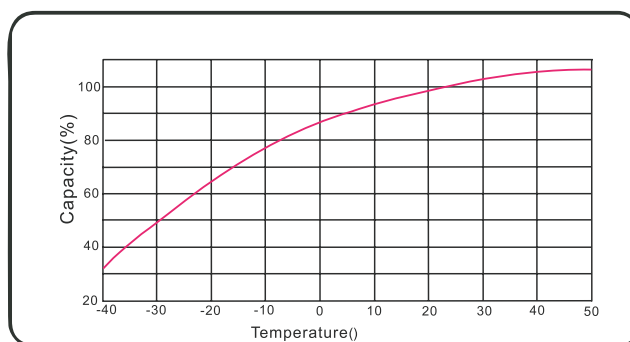

**EXTRACELL®**
**ELBG 110-12 12V-110Ah**

## CHARACTERISTICS

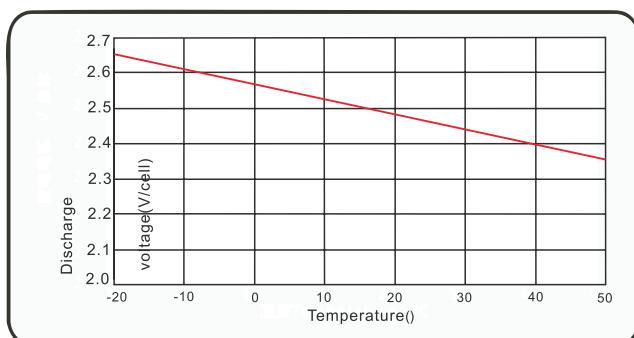
### Discharge Characteristic Curve



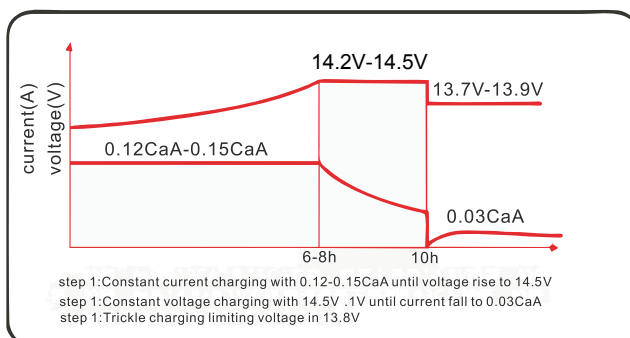
### Effect of temperature on capacity



### Effect of temperature on charge voltage



### Charge Characteristic Curve



### Cycle service life

