

## 12V 100AH Sealed Lead Acid Battery

The 'Online' range of sealed lead acid batteries are maintenance free, valve regulated and leak proof ideally suited to all 'standby applications'

There will be no loss in power output over the battery life.

Low self-discharge of about 2-3% per month compared with 20-30% for more common battery systems.

Quality construction with no compromise on materials to ensure a long service life.

Low internal resistance means a high discharge rate.

Wide operating temperature range operating between -15° C to +50 ° C when fully charged.



### Product Specification

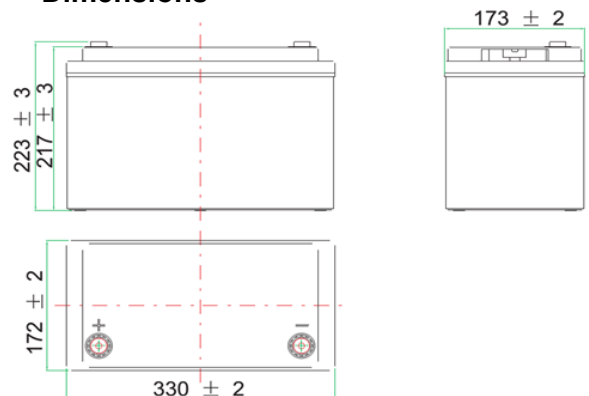
#### General Specification

<b>Nominal Voltage</b>	12V	
<b>Rated Cap</b>	100AH	
<b>Approx Weight</b>	29.kg	
<b>Terminal</b>	<b>Standard</b>	I3-M8
	<b>Optional</b>	
<b>Operation Temperature</b>	<b>Charge</b>	0°C (32°F) - 40°C (104°F)
	<b>Discharge</b>	-20°C (-4°F) - 50°C (122°F)
	<b>Storage</b>	-20°C (-4°F) - 40°C (104°F)
<b>Capacity 25° (77°F)</b>	20 hour rate (5.15A)	103AH
	10 hour rate (10A)	100AH
	5 hour rate (16A)	80AH
	1 hour rate (63A)	63AH
<b>Capacity affected by temperature</b>	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
<b>Self-Discharge at 25°C (77°F) (Before recharge)</b>	Capacity after 3 month	91%
	Capacity after 6 month	82%
	Capacity after 12 month	64%
<b>Self-Discharge at 25°C (77°F) (Before recharge)</b>	<b>Cycle</b>	Initial Charging Current ≥30A 14.4V - 15V at 25°C (77°F)
	<b>Standby</b>	13.5V - 13.8V at 25°C (77°F)
<b>Max discharge current</b>	1500A	

#### Applications

- UPS
- Control Equipment
- Medical Equipment
- Emergency Lighting
- Power Tools
- Fire Alarm & Security Systems

#### Dimensions



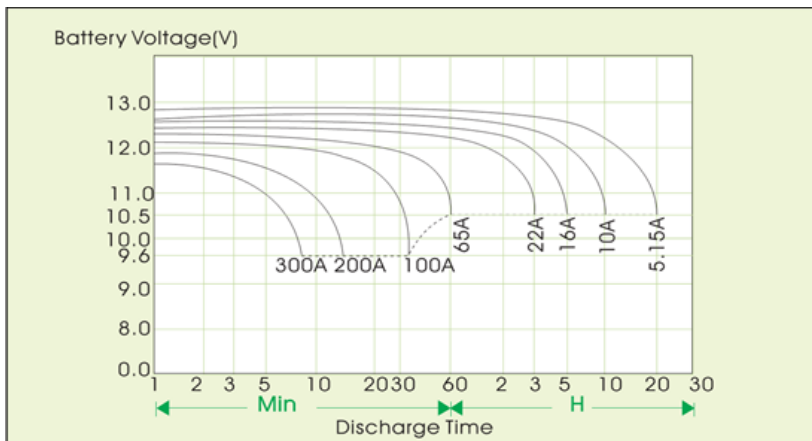
#### Order Code

LY11-061-22

### Specifications

Final voltage	Time (mm)	Time (mm)										
		5	10	15	20	30	60	120	180	300	600	
1.80VP C	A	364.38	245.71	197.19	132.28	109.14	62.35	39.33	21.45	15.57	9.86	
	W	3826.00	2580.00	1791.00	1390.00	1146.00	722.00	413.00	293.00	203.00	114.00	
1.75VP C	A	364.86	246.95	197.84	132.76	109.43	65.00	39.52	22.00	16.00	10.00	
	W	3831.00	2584.00	1794.00	1394.00	1149.00	724.00	415.00	295.00	205.00	116.00	
1.70VP C	A	365.33	246.47	198.24	133.05	109.71	69.24	39.81	22.85	16.26	10.24	
	W	3836.00	2588.00	1797.00	1397.00	1152.00	727.00	418.00	298.00	208.00	118.00	
1.65VP C	A	365.52	246.76	199.85	133.24	109.90	69.43	39.90	23.62	16.42	10.33	
	W	3838.00	2591.00	1799.00	1399.00	1154.00	729.00	419.00	299.00	209.00	119.00	
1.60VP C	A	365.71	246.86	200.00	133.33	110.00	69.50	40.00	24.05	16.63	10.45	
	W	3840.00	2592.00	1800.00	1400.00	1155.00	730.00	420.00	300.00	210.00	120.00	

### Discharge Characteristics



Note: Discharge shall be cut-off at 10.5V if discharge at  $<1C_A$  and at 9.6V if at  $\geq 1C_A$ . It is recommended to recharge battery by constant-voltage charge immediately after use.