

12V 4.2AH 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

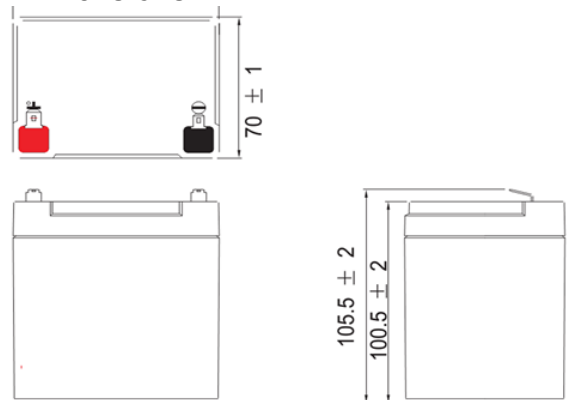
General Specification

Nominal Voltage	12V	
Rated Cap	4.2AH	
Approx Weight	1.35kg	
Terminal	Standard	F1-TAB 187E
	Optional	
Operation Temperature	Charge	0°C (32°F) - 40°C (104°F)
	Discharge	-20°C (-4°F) - 50°C (122°F)
	Storage	-20°C (-4°F) - 40°C (104°F)
Capacity 25° (77°F)	20 hour rate (0.21A)	4.2AH
	10 hour rate (0.378A)	3.78AH
	5 hour rate (0.672A)	2.52AH
	1 hour rate (2.52A)	1.98AH
Capacity affected by temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self-Discharge at 25°C (77°F) (Before recharge)	Capacity after 3 month	91%
	Capacity after 6 month	82%
	Capacity after 12 month	64%
Constant voltage charge	Cycle	Initial Charging Current ≤1.35A 14.4V - 15V at 25°C (77°F)
	Standby	13.5V - 13.8V at 25°C (77°F)
Max discharge current for 5 secretary	63A	

Applications

- UPS
- Emergency Lighting
- Toys & Consumer Electronics
- Fire Alarm & Security Systems

Dimensions



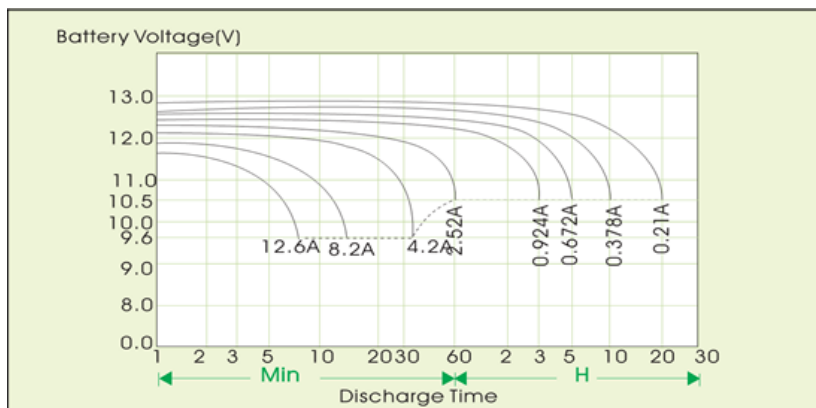
Order Code

LY11-046-23

Specifications

Final voltage	Time (mm)	Time (mm)										
		5	10	15	20	30	60	120	180	300	600	
1.80VP C	A	13.68	8.94	6.72	5.47	3.75	2.32	1.21	0.86	0.61	0.33	
	W	143.56	93.50	69.95	57.23	39.50	29.98	13.28	6.63	5.71	2.93	
1.75VP C	A	13.98	9.23	6.95	5.73	3.99	2.55	1.35	0.92	0.67	0.37	
	W	147.05	96.59	72.35	59.86	41.50	31.68	14.16	6.95	5.93	3.08	
1.70VP C	A	14.26	9.52	7.06	5.98	4.13	2.68	1.43	0.98	0.78	0.41	
	W	149.85	98.56	73.95	62.03	43.05	32.53	15.34	7.84	6.58	3.34	
1.65VP C	A	14.68	9.83	7.56	6.26	4.25	2.79	1.62	1.08	0.87	0.48	
	W	150.26	99.86	75.26	65.12	44.16	33.84	16.12	8.25	7.35	3.85	
1.60VP C	A	15.26	10.05	8.25	6.35	4.58	2.85	1.71	1.21	0.96	0.57	
	W	156.32	101.05	76.84	66.85	45.16	34.15	18.32	9.68	8.23	4.32	

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.