12V 18AH 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

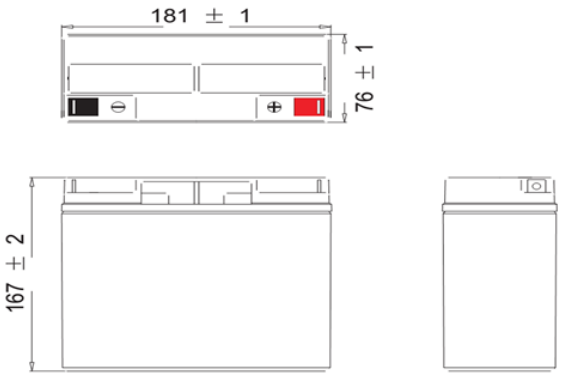
General Specification

Nominal Voltage		12V	
Rated Cap		18AH	
Approx Weight		5.24kg	
Terminal	**Standard**	B1-M5	
	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 (0.9A)	18AH
		10 hour rate (1.62A)	16.2AH
		5 hour rate (2.88A)	14.4AH
		1 hour rate (10.8A)	10.8AH
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 25ºC (77ºF) (Before recharge)		Capacity after 3 month	91%
		Capacity after 6 month	82%
		Capacity after 12 month	64%
Constant voltage charge	**Cycle**	Initial Charging Current ≤5.4A 14.4V - 1V at 25°C (77°F)	
	Standby	13.5V - 13.8V at 25°C (77°F)	
Max discharge current for 5 secretary		270A	

Applications

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

Dimensions



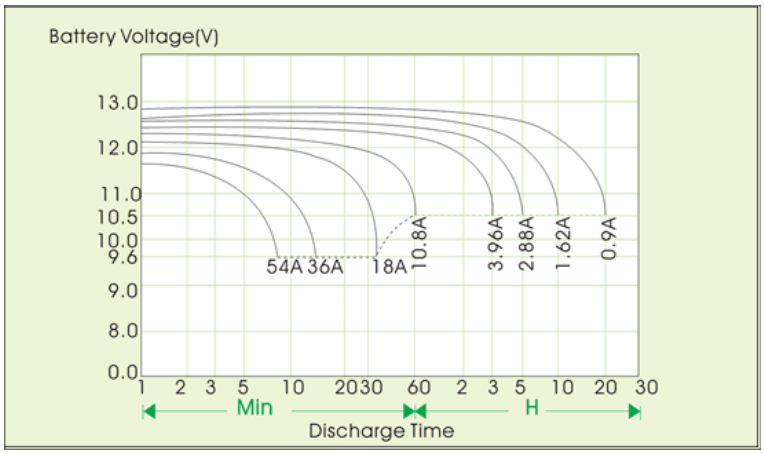
Order Code

LY11-049-26

Specifications

Final voltage	Time (mm)	5	10	15	20	30	60	120	180	300	600
1.80VPC	A	73.24	47.05	35.24	29.43	20.19	9.56	6.71	3.92	2.75	1.57
	W	769.00	494.00	370.00	309.00	212.00	127.00	70.50	51.50	33.50	18.50
1.75VPC	A	73.62	47.52	35.52	29.71	20.48	10.80	7.01	3.96	2.88	1.62
	W	773.00	499.00	373.00	312.00	215.00	130.00	73.66	53.57	35.21	19.00
1.70VPC	A	73.71	47.17	35.71	29.90	20.67	12.57	7.13	4.11	2.95	1.68
	W	774.00	501.00	375.00	314.00	217.00	132.00	75.60	55.19	36.18	20.00
1.65VPC	A	3.90	47.90	35.90	30.09	20.86	12.76	7.13	4.23	3.02	1.73
	W	776.00	503.00	377.00	316.00	219.00	134.00	76.46	55.62	36.60	20.20
1.60VPC	A	74.10	48.00	36.00	30.19	20.95	12.86	7.33	4.36	3.11	1.79
	W	778.00	504.00	378.00	317.00	220.00	135.00	77.00	56.00	36.83	20.60

Discharge Characteristics



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