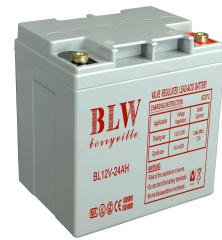


General Series Battery

BLW General (BL) Series VRLA batteries are designed with AGM (Absorbent Glass Mat) technology, High performance plates and electrolyte to give extra power output for common power backup system. BL Series Batteries are the general purpose batteries with 5 years floating design life at 25°C Meet with IEC, BS,JIS and Eurobat standard.UL(MH62092),CE approved.

Application

- * Emergency Power System
- * Communication equipment
- * Telecommunication systems
- * Uninterruptible power supplies
- * Electric toy car and wheelchairs, etc.
- * Power tools
- * Alarm system
- * Marine equipment
- * Medical equipment
- * Fire and Security System



General Features

- * Heavy Duty Grid
- * Mechanized assembly
- * Non-spillable construction
- * High Reliability and Stability
- * Sealed and Maintenance-free

Construction

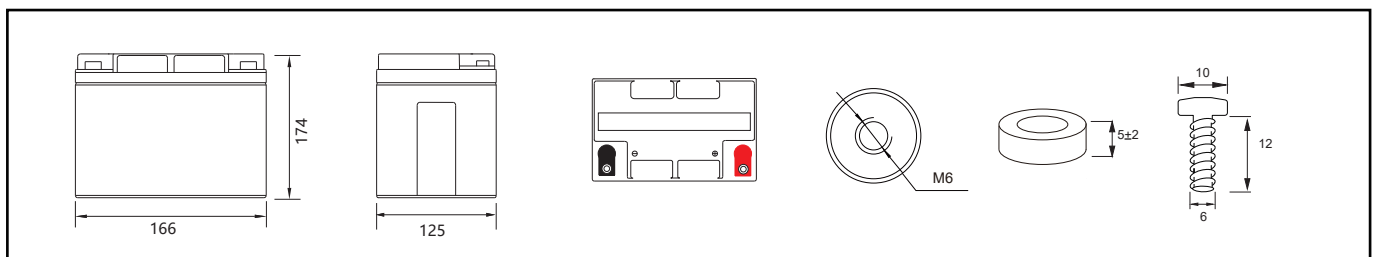
- * Positive Lead dioxide
- * Electrolyte Sulfuric acid
- * Separator Fiber glass
- * Container ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)
- * Negative Lead
- * Safety Valve EPDR
- * Terminal Copper

Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (20 Hour rate)		24Ah	
	Cells Per battery		6-FM-24	
Dimension	Length	Width	Height	Total Height
	166mm (6.53 inches)	125mm (4.92 inches)	174mm (6.85 inches)	174mm (6.85 inches)
Approx Weight	7.4kg (16.31lbs) ± 3%			
Capacity @ 25°C (77°F)	20 hour rate(10.5V)	10 hour rate(10.8V)	5 hour rate(10.5V)	1 hour rate(9.6V)
	24.8Ah	24.0Ah	21.35Ah	13.3Ah
Max.discharge current	312A (5 Sec.)			
	Full charged at 25°C(77°F): Approx 14.5mΩ			
Capacity affected by Temp.(20 HR)	40°C (104°F)	25°C (77°F)	0°C (32°F)	-15°C (5°F)
	102%	100%	85%	65%
Self Discharge @25°C (77°F)	After 3 months storage		After 6 months storage	After 12 months storage
	98%		94%	74%
Charge method @25°C (77°F)	Cycle Use		Float Use	
	14.40-14.7V (Initial charging current less than 7.2A)		13.50-13.80V	

Outer dimension (mm)

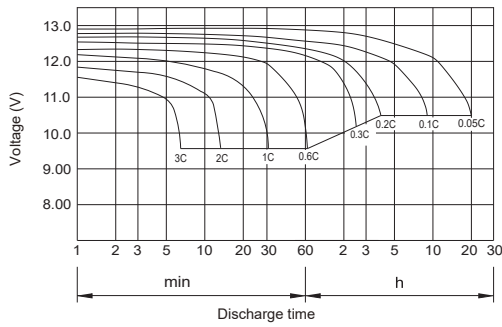
Terminal Type (mm)



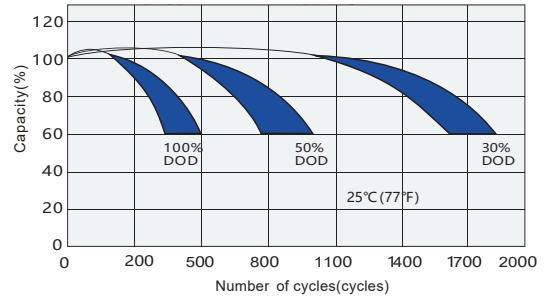
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)										
F.V\TIME	5MIN	15MIN	30MIN	60MIN	90MIN	2 HR	3HR	5HR	10HR	20HR
1.60V/cell	A	77.810	41.660	25.200	13.300	9.734	8.884	6.329	4.319	2.490
	W	143.913	80.404	50.198	26.534	19.436	17.776	12.662	8.641	4.983
1.67V/cell	A	69.078	39.496	24.662	13.204	9.638	8.840	6.295	4.295	2.452
	W	127.743	76.286	49.150	26.343	19.248	17.702	12.619	8.609	4.915
1.70V/cell	A	65.391	38.522	24.446	13.107	9.628	8.818	6.279	4.294	2.421
	W	120.952	74.463	48.723	26.182	19.237	17.665	12.590	8.609	4.856
1.75V/cell	A	59.182	36.899	24.015	12.914	9.503	8.763	6.240	4.271	2.412
	W	109.471	71.399	47.899	25.861	19.006	17.551	12.517	8.568	4.818
1.80V/cell	A	52.876	35.384	23.477	12.818	9.435	8.707	6.207	4.259	2.400
	W	97.828	68.574	46.846	25.700	18.918	17.444	12.457	8.549	4.744

Note: The above datas are average values. (Edition 2023-07)

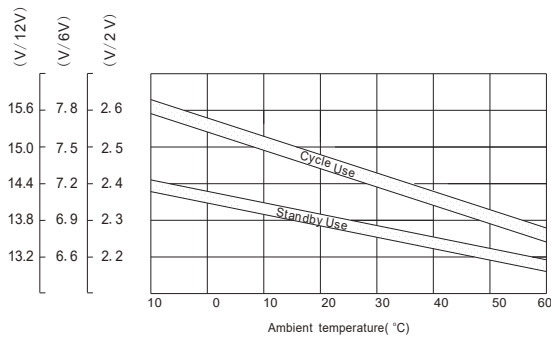
Discharge characteristic Curve



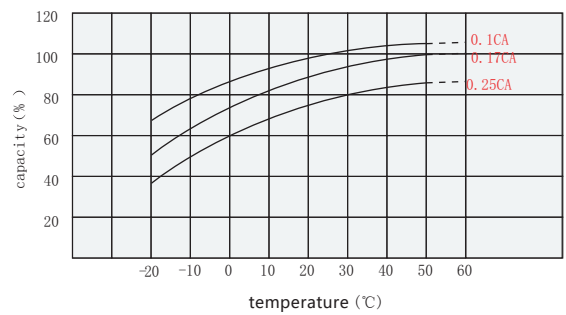
Cycle service life in relation to depth of discharge



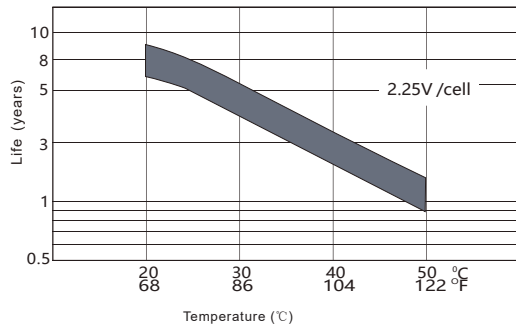
Relationship between charging voltage and temperature



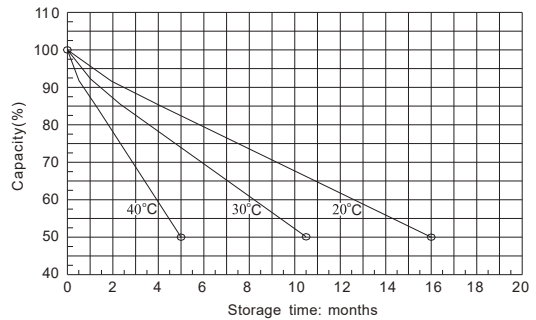
Relationship between temperature and capacity



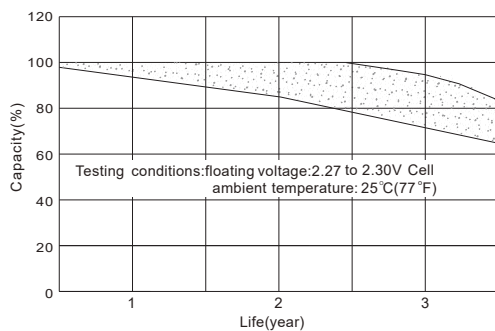
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

