

Guangdong Bailiwei Electronics Co., Ltd. BL12V-24AH (12V24Ah)

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



● General Features

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

● Construction

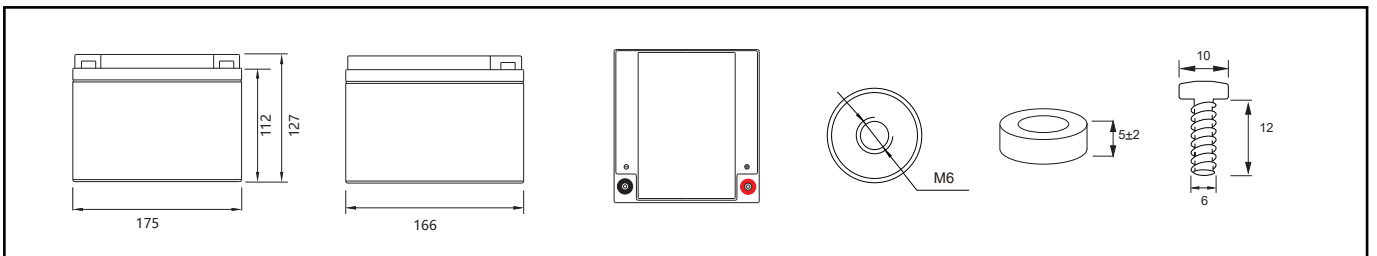
- * Positive Lead dioxide
- * Negative Lead
- * Electrolyte Sulfuric acid
- * Safety Valve EPDR
- * Separator Fiber glass
- * Terminal Copper
- * Container ABS(UL94-HB) / Flame Retardant ABS (UL94-V0)

● Specification

Battery Model	Nominal Voltage		12V	
	Rated capacity (10 Hour rate)		24Ah	
	Cells Per battery		6-FM-24	
Dimension	Length	Width	Height	Total Height
	175mm (6.89 inches)	166mm (6.54 inches)	112mm (4.41 inches)	127mm (5.0 inches)
Approx Weight	7.15kg (15.76lbs) ± 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)
	25.0Ah	24.0Ah	21.3Ah	14.1Ah
Max. discharge current	288A (5 Sec.)			
	Full charged at 25°C(77°F): Approx 15mΩ			
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	

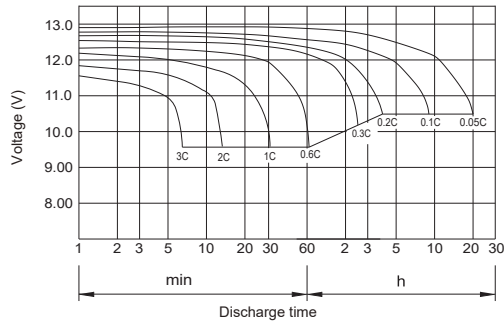
● Outer dimension (mm)

● Terminal Type (mm)

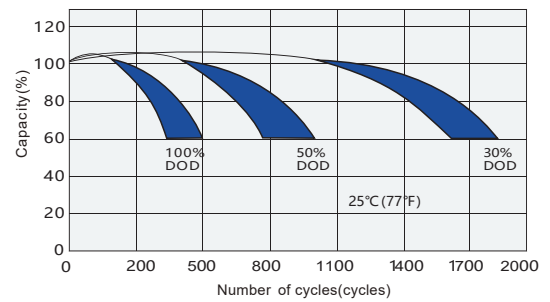


Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)											
F.V\TIME		5MIN	15MIN	30MIN	60MIN	90MIN	2 HR	3HR	5HR	10HR	20HR
1.60V/cell	A	81.600	41.100	24.800	14.100	10.320	8.884	6.329	4.319	2.459	1.374
	W	150.923	79.323	49.402	28.130	20.605	17.776	12.662	8.641	4.920	2.748
1.67V/cell	A	72.443	38.965	24.270	13.998	10.217	8.840	6.295	4.295	2.421	1.305
	W	133.965	75.261	48.370	27.928	20.406	17.702	12.619	8.609	4.854	2.616
1.70V/cell	A	68.577	38.004	24.058	13.896	10.207	8.818	6.279	4.294	2.416	1.270
	W	126.843	73.462	47.949	27.757	20.394	17.665	12.590	8.609	4.795	2.548
1.75V/cell	A	62.065	36.403	23.634	13.691	10.074	8.763	6.240	4.271	2.409	1.250
	W	114.803	70.440	47.139	27.417	20.149	17.551	12.517	8.568	4.758	2.509
1.80V/cell	A	55.451	34.908	23.104	13.589	10.003	8.707	6.207	4.259	2.400	1.209
	W	102.594	67.652	46.103	27.246	20.056	17.444	12.457	8.549	4.685	2.428

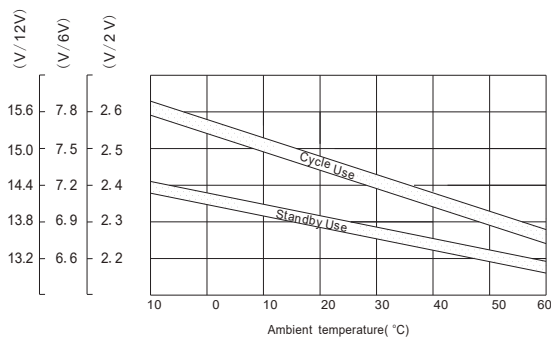
Discharge characteristic Curve



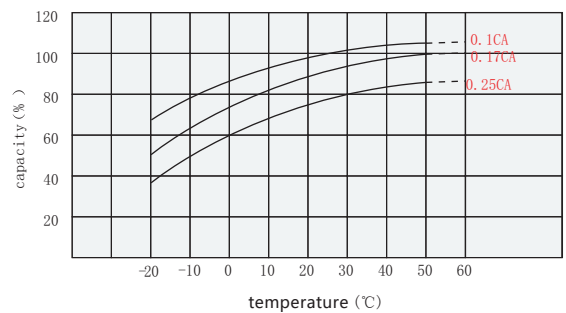
Cycle service life in relation to depth of discharge



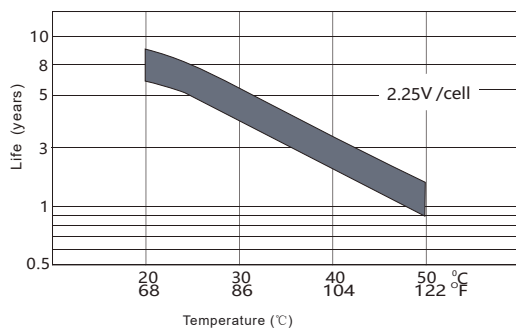
Relationship between charging voltage and temperature



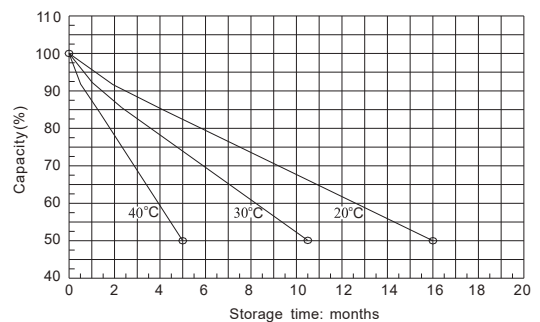
Relationship between temperature and capacity



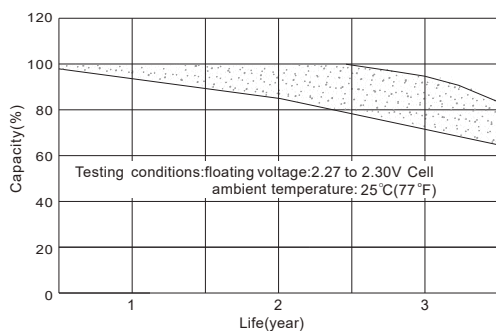
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

