

**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 12 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

**Construction**

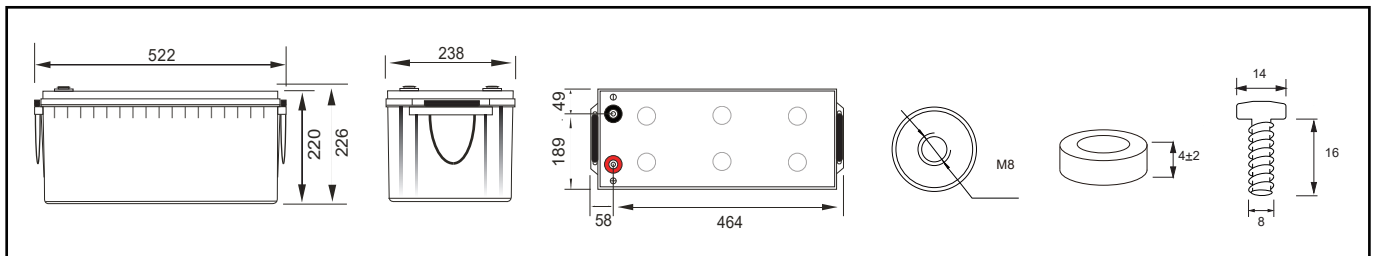
- \* Positive Lead dioxide
- \* Negative Lead
- \* Electrolyte Sulfuric acid
- \* Safety Valve EPDR
- \* Separator Fiber glass
- \* Terminal Copper

**Specification**

Battery Model	Nominal Voltage		12V	
	Rated capacity (10 Hour rate)		200Ah	
	Cells Per battery		6-FM-200	
Dimension	Length	Width	Height	Total Height
	522mm (20.55 inches)	238mm (9.37 inches)	220mm (8.66 inches)	226mm (8.89 inches)
Approx Weight	54.8kg (120.8lbs) ± 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)
	208.4Ah	200Ah	177.9Ah	110.0Ah
Max. discharge current	2400A (5 Sec.)			
	Full charged at 25°C(77°F): Approx 2.5mΩ			
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 45A)		13.50-13.80V	

**Outer dimension (mm)**

**Terminal Type (mm)**

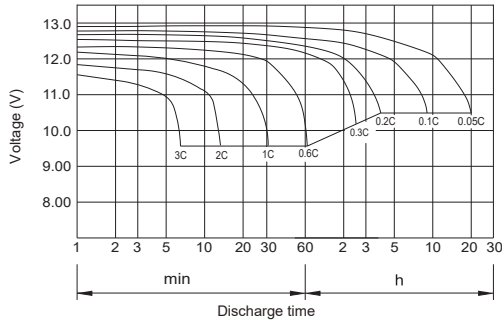


**Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C (77°F)**

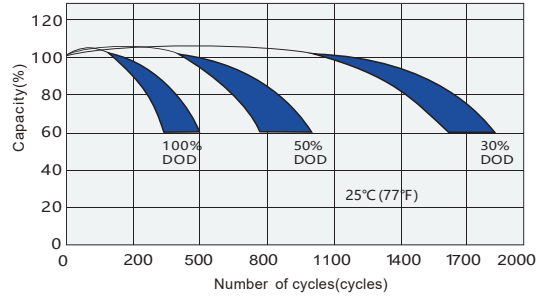
F.V\TIME	15MIN	30MIN	60MIN	90MIN	2 HR	3HR	5HR	8HR	10HR	20HR
1.60V/cell	A	341.000	200.000	110.000	80.507	74.035	52.738	35.991	25.484	11.451
	W	658.130	398.400	219.450	160.749	148.132	105.519	72.011	50.989	22.911
1.67V/cell	A	323.286	195.726	109.203	79.710	73.667	52.461	35.792	25.269	10.878
	W	624.429	390.083	217.874	159.197	147.518	105.155	71.744	50.664	21.810
1.70V/cell	A	315.314	194.017	108.406	79.630	73.482	52.328	35.783	25.016	10.588
	W	609.503	386.688	216.546	159.102	147.210	104.918	71.746	50.182	21.240
1.75V/cell	A	302.029	190.598	106.812	78.594	73.021	52.000	35.594	24.946	10.420
	W	584.425	380.151	213.889	157.188	146.262	104.312	71.402	50.080	20.918
1.80V/cell	A	289.629	186.325	106.014	78.036	72.560	51.723	35.495	24.731	10.076
	W	561.300	371.795	212.560	156.463	145.366	103.809	71.238	49.685	20.244

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

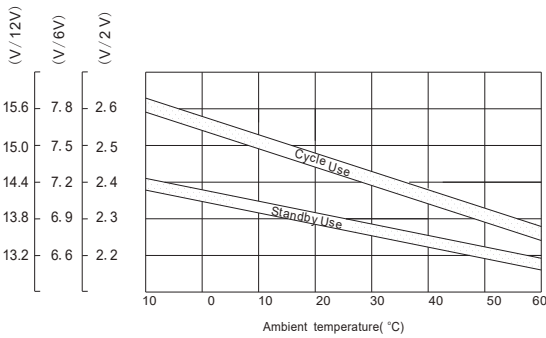
Discharge characteristic Curve



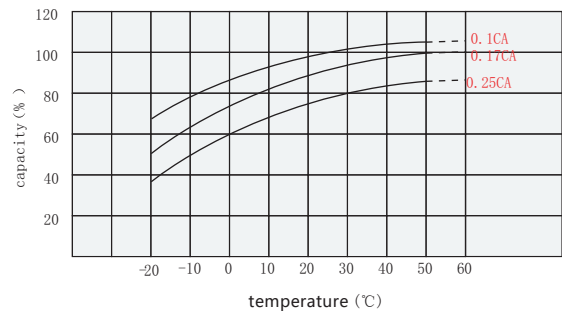
Cycle service life in relation to depth of discharge



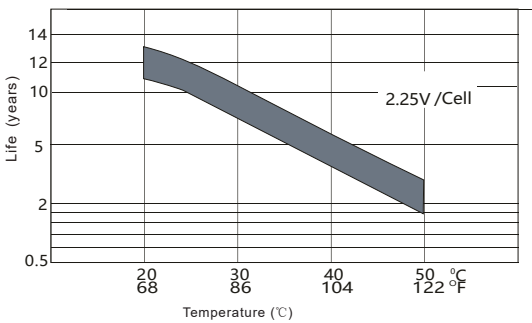
Relationship between charging voltage and temperature



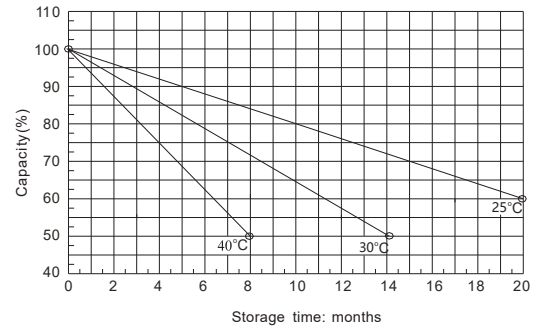
Relationship between temperature and capacity



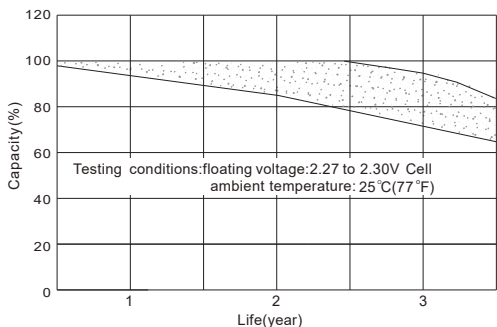
Temperature effects on float life



Self-discharge characteristic



Life characteristics of standby use



Charge characteristic Curve for standby use

