

Model: GL12-260(12V 260Ah)

# GL Series

VLRA High Rate Discharge Battery



Legacy Canadian products designed in Canada, assembled in China.

Connecting To Legacy

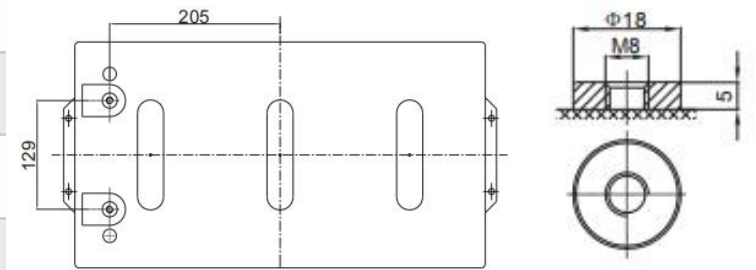
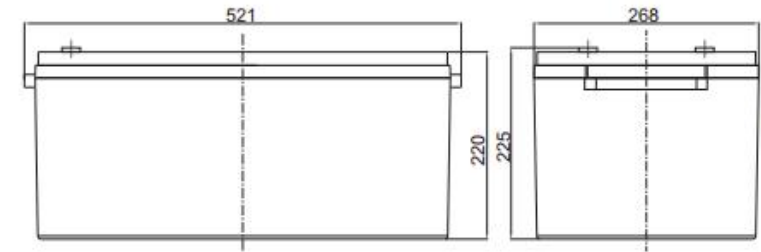
📍 Laval-Quebec-Canada

📍 Beirut-Lebanon

📍 Hongkong-China

🔍 [www.connectinglegacy.com](http://www.connectinglegacy.com)

Introduction	GL12-260(12V 260Ah)
Length	521±2mm (20.5 inches)
Width	268±2mm (10.6 inches)
Height	220±2mm (8.66 inches)
Total Height	225±2mm (8.86 inches)
Weight	Approx. 70.0 Kg (Tolerance±5%)
Terminal	Default F14(M8), L6 (Optional), Value: 10~12N*m
Container Material	A.B.S. UL94-HB, <UL94-V0 Optional>
Design Life	12 years
Application	UPS/EPS, Telecom, Power grid, Medical equipment, Emergency light and Security system etc.



F14 Terminal

Structure: Compact design of shorter internal connectors among cells for lower I.R.

Plate: Pasted flat type with patent high rate formula of AM supports stable performance during high current discharge.

Features

Separator: Improved AGM separator increases deep cycle life.

Safety Valve: Flame arrester/filter is equipped with safety valve system.

Design and manufacture with DIN standards by Legacy team, for heavy load discharge applications.

GL12-260 Dimension


Parameters	GL12-260 (12V 260Ah)			
Cell Per Unit	6			
Voltage Per Unit	12V			
Nominal Capacity	260Ah @10hour-rate to 1.80V per cell @25°C			
Internal Resistance	≤3.2 mΩ(Full Charge Condition @25°C)			
Max. Discharge Current	2600A (5 sec)			
Max. Charging Current	78.0A			
Short Circuit Current	4810A			
Reference Capacity	C3:195.0Ah	C5:221.0Ah	C10: 260.0Ah	C20: 276.0Ah
Floating Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell			
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell			
Normal Operating Temperature Range	25°C±5°C			
Operating Temperature Range	Discharge and Storage : -20°C~60°C Charge: 0°C~50°C			
Self Discharge	Monthly Self-discharge ratio is less than 3% at 25°C			
Note	Legacy GL batteries can be stored for up to 6 months at 25°C and recharging is recommended. Please charged batteries before using.			



GL12-260 Imagine


F.V/TIME	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	445.9	281.9	158.9	94.6	73.3	57.6	49.1	33.0	27.4	14.3
1.65V	426.3	270.6	153.4	91.6	71.1	56.1	47.8	32.6	27.1	14.1
1.70V	399.3	258.7	148.4	88.6	69.1	54.6	46.5	32.1	26.7	13.9
1.75V	371.6	247.2	143.0	85.5	67.1	53.2	45.4	31.6	26.3	13.8
1.80V	343.1	236.3	137.5	82.4	65.0	51.6	44.2	31.1	26.0	13.6
1.85V	284.7	203.5	123.3	75.5	60.1	48.0	41.2	29.2	24.5	13.0

F.V/TIME	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	779.5	512.0	298.5	179.4	140.1	110.7	94.6	64.4	53.9	28.2
1.65V	756.3	496.7	289.9	174.5	136.3	108.1	92.4	63.8	53.3	27.8
1.70V	718.9	479.5	282.3	169.7	133.2	105.5	90.4	63.0	52.6	27.5
1.75V	678.8	463.0	273.6	164.5	129.8	103.2	88.4	62.2	52.0	27.2
1.80V	635.6	447.0	264.7	159.4	126.3	100.6	86.4	61.3	51.4	27.0
1.85V	534.9	388.8	238.8	146.9	117.2	93.9	80.8	57.7	48.4	25.7



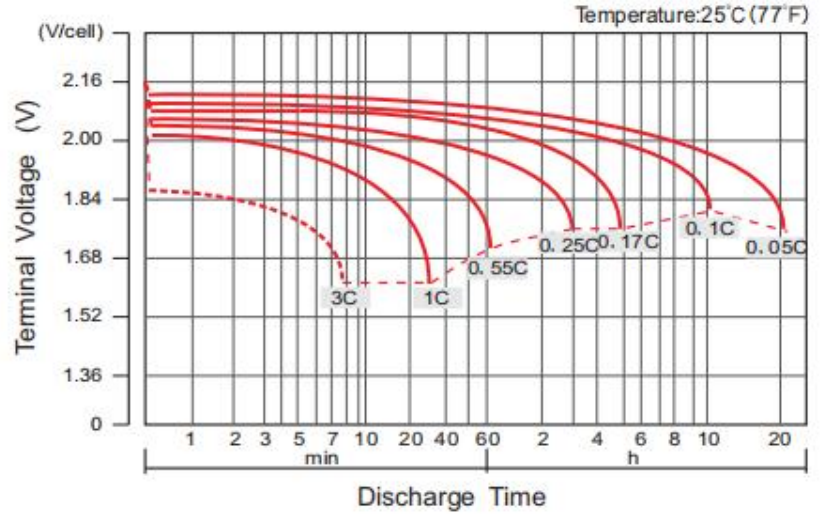
**Constant Current Discharge**  
Ah/Cell (@ 77°F/25°C)

Model: GL12-260

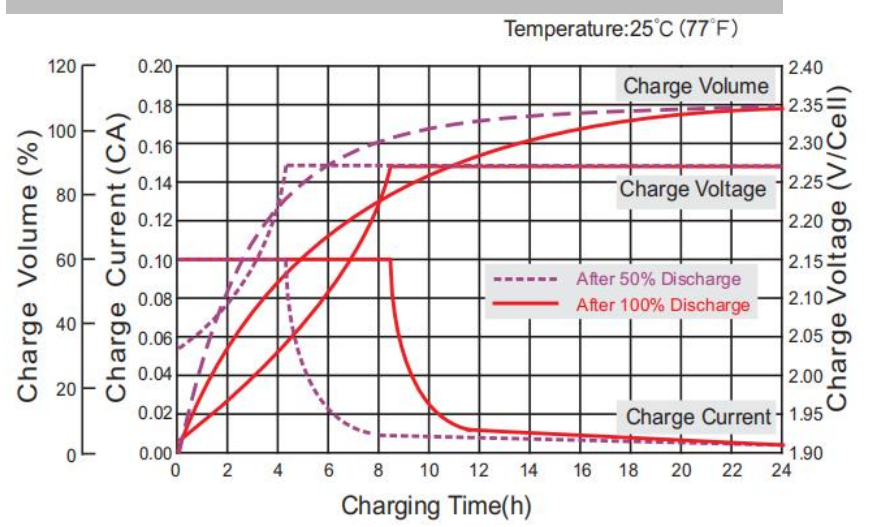


**Constant Power Discharge**  
W/Cell (@ 77°F/25°C)

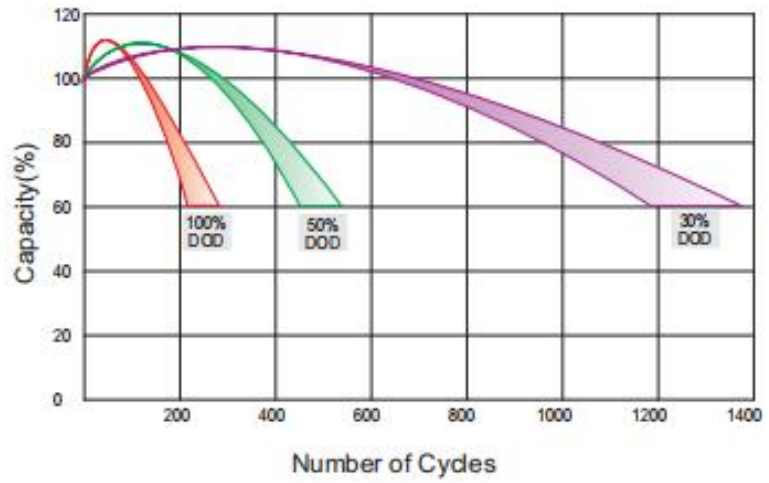
### Discharge Characteristics Curve



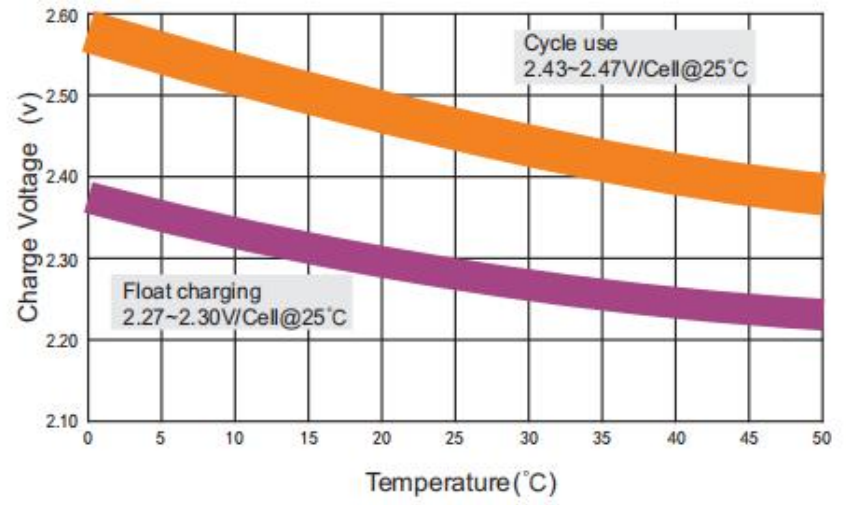
### Charge Characteristics Curve For Standby Use(IU)



### Cycle Life in Relation to Depth of Discharge

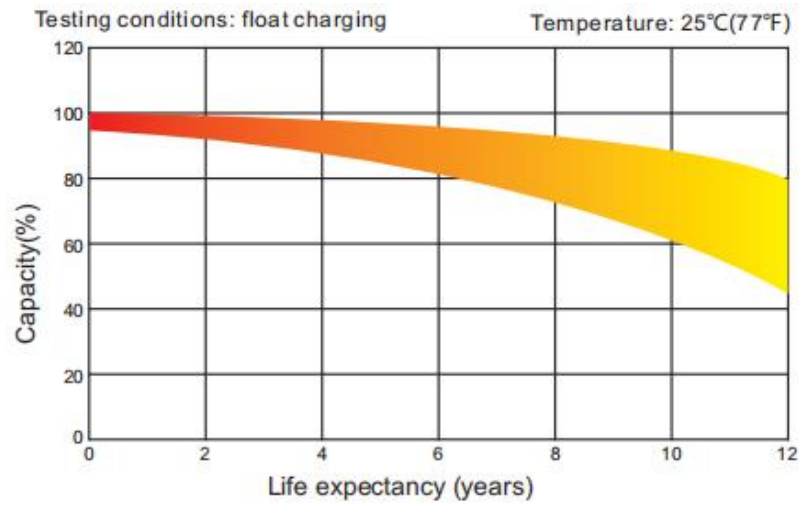


### Relationship Between Charging Voltage and Temperature

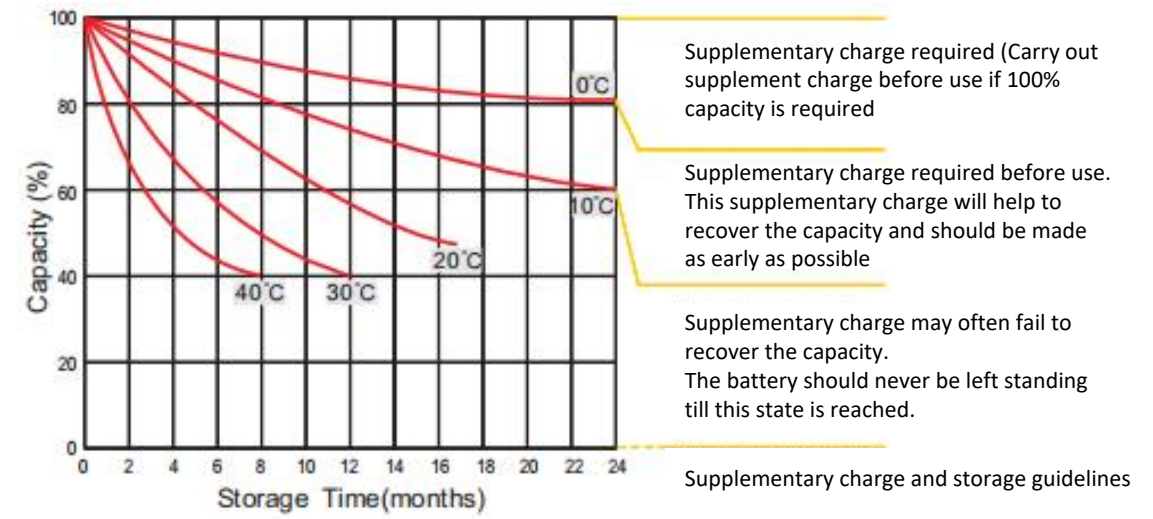


Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Legacy reserves the right to explain and update the latest information.

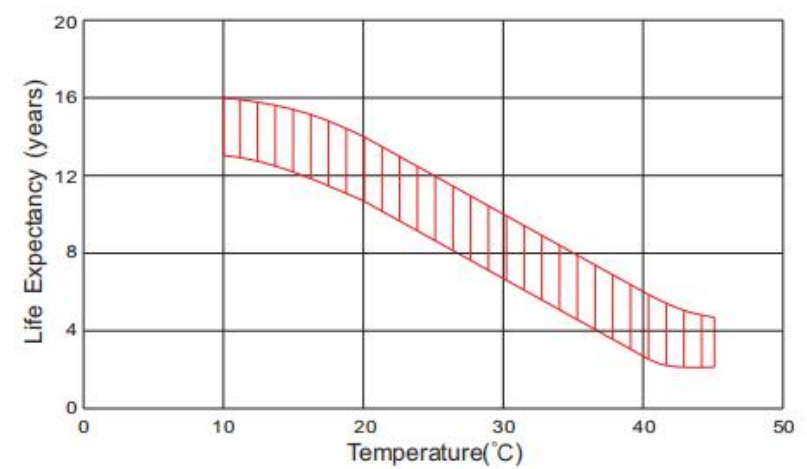
### Life Characteristics of Standby Use



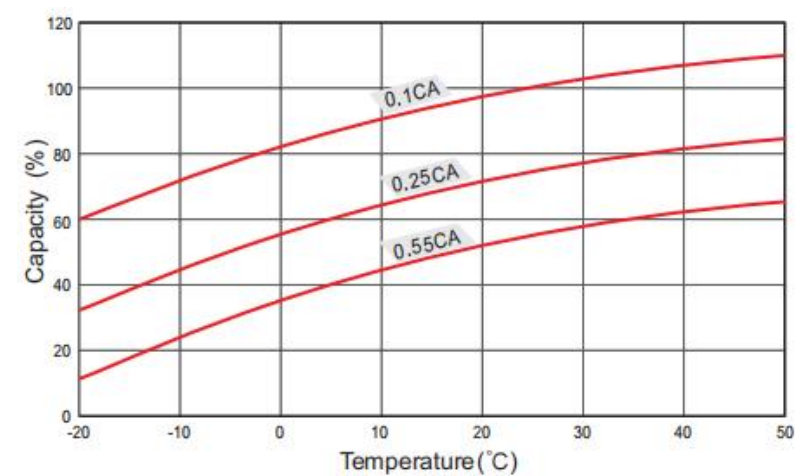
### Storage Characteristics



### Effect of Temperature on Longterm life



### Temperautre Effects On Capacity



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