

# DSL1104



# DEEP CYCLE



DSL1104.GH.V1

### Technical Specifications

Nominal Voltage	12V
Nominal Capacity	15Ah (20 Hr Rate to 1.75V/cell)
Chemistry	Lead Acid - AGM

### Physical Specifications

Length	151 mm	5.94 in
Width	98 mm	3.86 in
Height	93 mm	3.66 in
Height w/Terminal	102 mm	4.02 in
Weight (+/- 5%)	4.60 Kg	10.10 lbs
Terminal Type	F1 / F2	
Case Material	Black ABS	

### Charging Specifications

Charge Voltage	Battery	Per Cell
Float	13.5V~13.8V	2.25V~2.30V
Cycle	14.4V~15.0V	2.40V~2.50V
Max. Charge Current	4.5A	

### Capacity Specifications

5 Second Discharge Current	180A
Self Discharge (to 80% capacity)	1 Month 97%
	3 Months 91%
	6 Months 82%
Internal Resistance	11 mΩ(25°C)

### Temperature Specifications

Operating Temperature Capablity -40° F (-40° C) to 140° F (60° C)

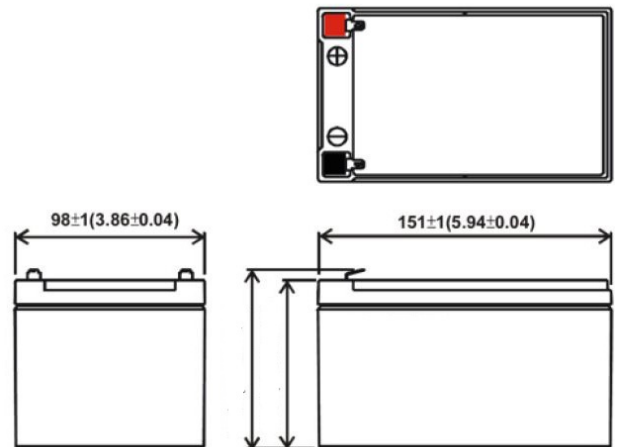
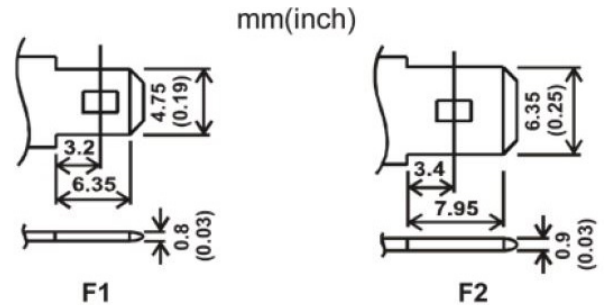
Recommended parameters for optimal battery life and performance:

Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

Storage: 50° to 77° F (10° C to 25° C)

### FEATURES:

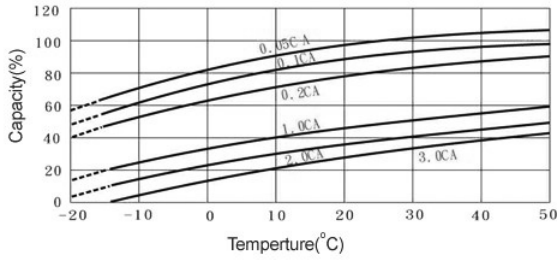
- Long life for deep discharge uses
- Ideal for applications using major capacity prior to recharging
- Depth of discharge should be between 50% and 80% and recharged as soon as possible
- VRLA technology to eliminate spills and over-pressurization
- Flexibility of mounting orientation
- Maintenance-free



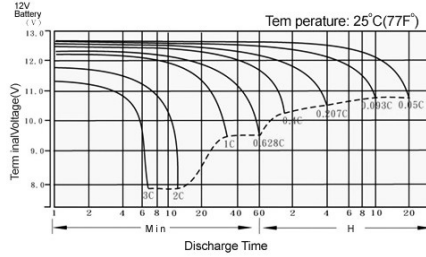
Interstate All Battery Center  
4301 121st Street Urbandale, IA 50323

866-884-4635  
www.InterstateBatteries.com

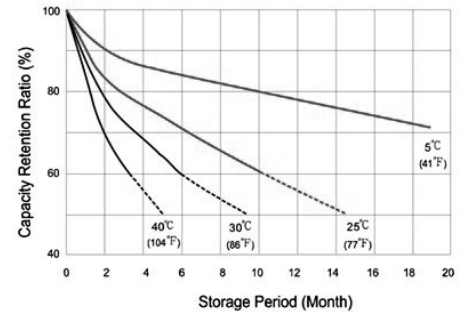
Temperature Effect on Capacity



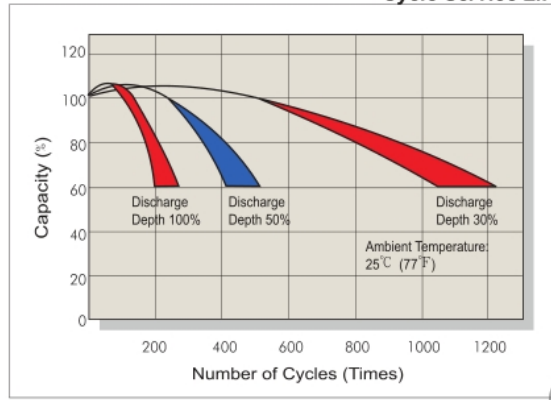
Discharging Current VS Discharging Time



Self-Discharge Capacity Retention



Cycle Service Life



Constant Current Discharge Characteristics: A (25°C)							
F.V/Time	15 min.	30 min.	1 hr.	2 hr.	5 hr.	10 hr.	20 hr.
1.80V/cell	30.8	18.2	10.60	5.80	2.50	1.34	0.74
1.75V/cell	31.7	18.5	10.70	5.90	2.55	1.36	0.75
1.70V/cell	32.5	19.0	10.80	6.00	2.60	1.38	0.76
1.67V/cell	33.0	19.1	10.90	6.10	2.65	1.39	0.77
1.60V/cell	33.5	19.3	11.00	6.15	2.68	1.40	0.78

Constant Power Discharge Characteristics: W (25°C)							
F.V/Time	15 min.	30 min.	1 hr.	2 hr.	5 hr.	10 hr.	20 hr.
1.80V/cell	333.0	197.0	110.0	61.00	26.60	14.20	7.90
1.75V/cell	342.0	201.0	113.0	62.70	27.00	14.50	8.00
1.70V/cell	350.0	205.0	115.0	64.00	27.50	14.70	8.05
1.67V/cell	360.0	209.0	118.0	65.00	27.70	15.00	8.10
1.60V/cell	367.0	211.0	120.0	66.00	28.00	15.20	8.15