Pure Gel Deep Cycle

GEL0055

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	50.0Ah (20 Hr Rate to 1.80V/cell) 60 Ah (100 Hr Rate to 1.80V/cell
Chemistry	Lead Acid - Gel

Physical Specifications

Length	229 mm	9.02 in
Width	138 mm	5.43 in
Height	205 mm	8.07 in
Height w/Terminal	211 mm	8.31 in
Weight (+/- 5%)	16.6 Kg	36.6 lbs
Terminal Type	Insert	
Case Material	ABS	

Charging Specifications

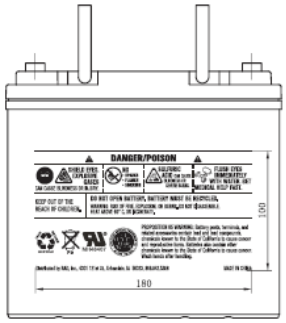
Charge Voltage	Battery	Per Cell
Float	13.5V~13.8V	2.25V~2.30V
Cycle	13.8V~14.4V	2.30V~2.40V
Max. Charge Current	12.5A	

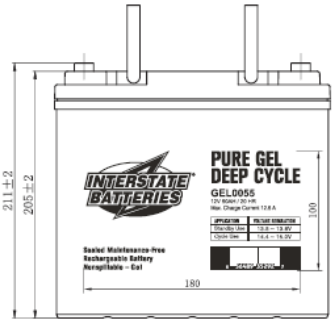
FEATURES:

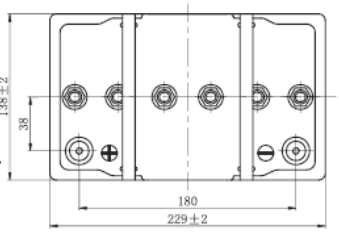
- Pure gel delivers high current on demand for long service life
- 2x the cycle life of standard AGM
- Ideal for standby or frequent cyclic discharge use
- Flexibility of mounting orientation
- Maintenance-free

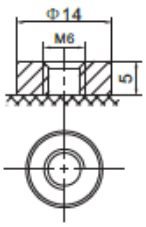
Capacity Specifications

5 Second Discharge Current	500A
Self Discharge (to 80% capacity)	1 Month 92% 3 Months 90% 6 Months 80%
Internal Resistance	9.0 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)

LEAD RETURN RECYCLE Pb NOT RESTRICTED FOR ANY TRANSPORT

12/21

Interstate Batteries
4301 121st Street Urbandale, IA 50323
866-884-4635
InterstateBatteries.com/all-battery-centers

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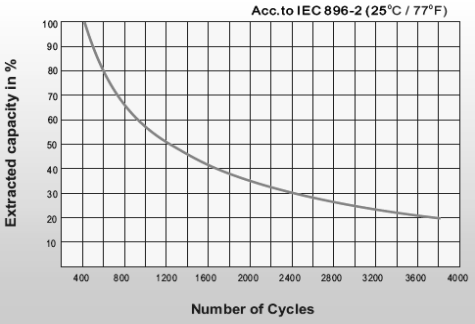
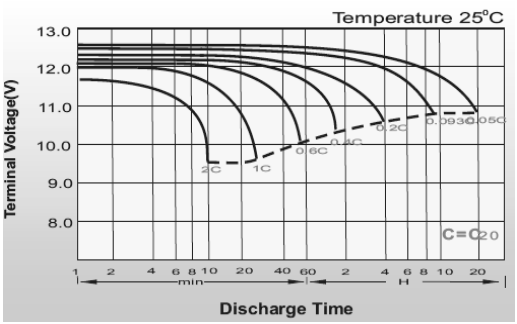
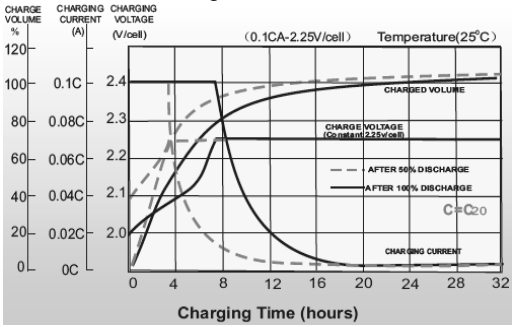
Depth of Discharge Cycle Life



Discharging Current VS Discharging Time



Float Charge Characteristics



Constant Current Discharge Characteristics: A (25°C)									
F.V/Time	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.	5 hr.	10 hr.	20 hr.
1.85V/cell	42.3	33.2	25.3	21.2	13.5	10.3	7.33	4.37	2.40
1.80V/cell	48.5	37.1	27.9	23.4	14.6	11.0	7.70	4.56	2.50
1.75V/cell	54.5	40.8	30.2	25.1	15.4	11.6	8.00	4.65	2.55
1.70V/cell	58.7	43.7	32.1	26.5	16.4	12.1	8.25	4.76	2.58
1.67V/cell	61.1	45.4	33.2	27.5	16.8	12.5	8.42	4.82	2.61
1.60V/cell	66.2	48.6	35.7	29.2	17.5	13.0	8.68	4.91	2.65

Constant Power Discharge Characteristics: W (25°C)									
F.V/Time	20 min.	30 min.	45 min.	1 hr.	2 hr.	3 hr.	5 hr.	10 hr.	20 hr.
1.85V/cell	81.0	64.0	49.1	41.3	26.3	20.1	14.5	8.70	4.79
1.80V/cell	91.5	70.8	53.8	45.3	28.3	21.4	15.1	9.07	4.98
1.75V/cell	101.7	77.2	57.7	48.3	29.9	22.6	15.7	9.24	5.08
1.70V/cell	108.4	81.9	60.8	50.8	31.6	23.5	16.1	9.45	5.14
1.67V/cell	111.5	84.2	62.6	52.4	32.2	24.1	16.4	9.55	5.18
1.60V/cell	119.5	89.3	66.7	55.3	33.3	25.0	16.9	9.72	5.25

Charging

Float Service: Holding the battery across a constant voltage source of 13.5-13.8 volts allows it to seek its own current level and maintain itself in a fully charged state. Please note that this type of battery should be charged within 6 months of storage, otherwise sulfation could cause a permanent loss of capacity.

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