

## GEL0062

### Technical Specifications

Nominal Voltage	12V
Nominal Capacity	60.0Ah (20 Hr Rate to 1.80V/cell) 66 Ah (100 Hr Rate to 1.80V/cell)
Chemistry	Lead Acid - Gel

### Physical Specifications

Length	260 mm	10.20 in
Width	168 mm	6.61 in
Height	173 mm	6.81 in
Height w/Terminal	179 mm	7.05 in
Weight (+/- 5%)	19.5 Kg	43 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	15A	
Charge Temperature Range	32°F (0°C) to 104°F (40°C)	

### Capacity Specifications

5 Second Discharge Current	600A
Self Discharge (to 80% capacity)	1 Month 92% 3 Months 90% 6 Months 80%
Internal Resistance	8.8 mΩ(25°C)

### Temperature Specifications

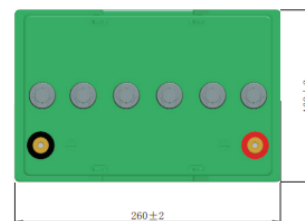
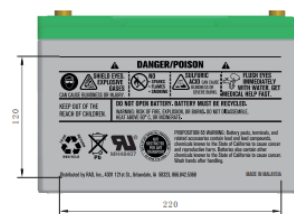
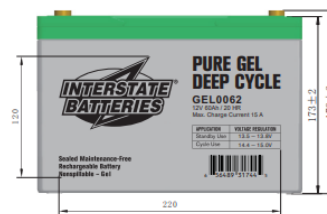
Operating Temperature Capability	-40° F (-40° C) to 140° F (60° C)
----------------------------------	-----------------------------------

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:

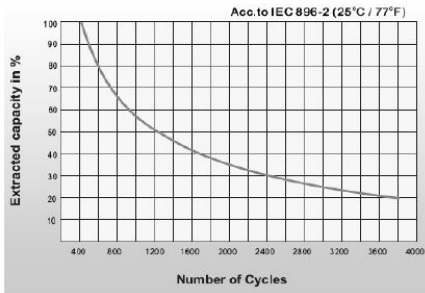
- Pure gel delivers high current on demand for long service life
- 2x the cycle life of standard AGM
- Ideal for standby or frequent cyclic discharge use
- Flexibility of mounting orientation
- Maintenance-free



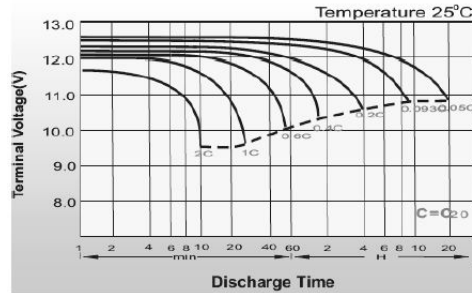


# Pure Gel Deep Cycle

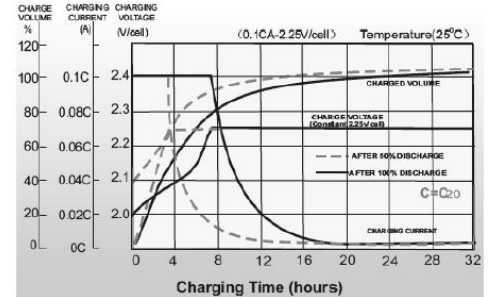
Depth of Discharge Cycle Life



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	49.0	38.9	30.4	25.5	15.9	12.2	8.71	5.24	2.88
1.80V/cell	55.1	43.2	33.5	27.5	17.1	13.2	9.20	5.47	3.00
1.75V/cell	61.4	47.4	36.2	29.5	17.9	13.7	9.44	5.58	3.06
1.70V/cell	65.7	50.5	38.5	31.1	18.7	14.2	9.68	5.71	3.10
1.67V/cell	69.5	52.8	39.8	32.2	19.3	14.6	9.92	5.78	3.13
1.60V/cell	73.3	55.3	41.0	33.1	19.8	14.9	10.1	5.89	3.17

## 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	93.5	74.7	58.8	49.5	31.0	23.9	17.2	10.4	5.75
1.80V/cell	104.2	82.5	64.5	53.3	33.3	25.7	18.1	10.9	5.98
1.75V/cell	114.9	89.7	69.3	56.8	34.7	26.7	18.5	11.1	6.09
1.70V/cell	121.4	94.7	73.0	59.6	36.1	27.5	18.9	11.3	6.16
1.67V/cell	126.9	98.0	75.1	61.3	37.0	28.2	19.4	11.5	6.22
1.60V/cell	1132.4	101.7	76.7	62.8	37.9	28.7	19.7	11.7	6.30

## 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.