

HSL1079

Technical Specifications

Nominal Voltage	12V
Nominal Capacity	9Ah (20 Hr Rate to 1.75V/cell)
Nominal Power	36W/Cell (15 min.)
Chemistry	Lead Acid -AGM

Physical Specifications

Length	151mm	5.94in
Width	65mm	2.56in
Height	94mm	3.70in
Height w/Terminal	102mm	4.02in
Weight (+/- 5%)	2.7Kg	5.94lbs
Terminal Type	F2	
Case Material	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	2.7A	

Capacity Specifications

5 Second Discharge Current	135A
Self Discharge (to 80% capacity)	3 Months 91%
	6 Months 82%
	12 Months 64%
Internal Resistance	14mΩ(25°C)

Temperature Specifications

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

Recommended parameters for optimal battery life and performance:

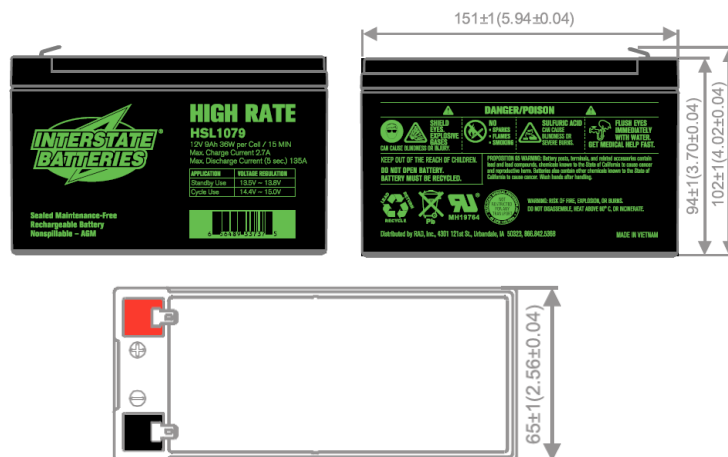
Charging: 32° F to 104° F (0° C to 50° C), Discharging: 5° F to 122° F (-15° to 50° C),

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



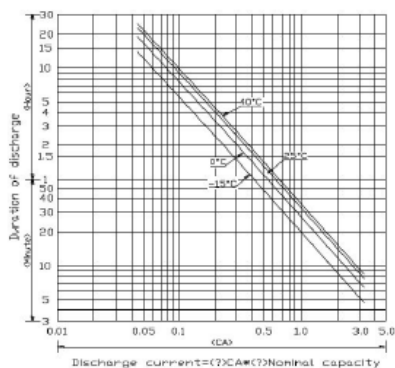
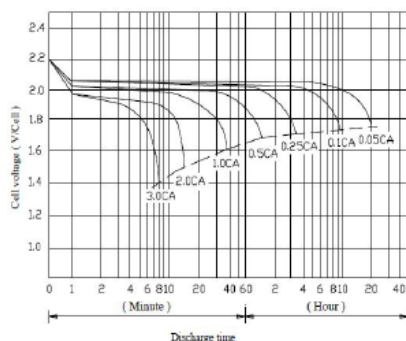
FEATURES:

- Used almost exclusively in backup or cranking systems
- Provide high percent of capacity in <1 hour
- More efficient connections between plates & terminals
- Flexibility of mounting orientation
- VRLA technology to eliminate spills and over-pressurization
- Maintenance-free

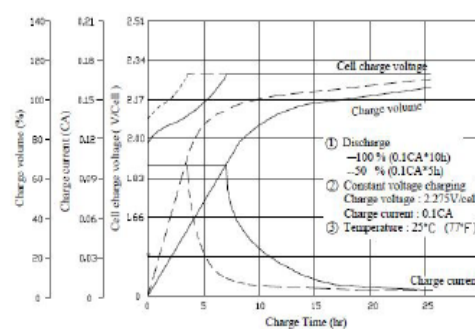


Discharging Current VS Discharging Time

Discharge Characteristics



Charging Characteristics for Standby Use



Constant Current Discharge Characteristics: A (25°C)

F.V/Time	5 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	30.40	8.09	5.17	2.12	1.46	0.83	0.43
1.80V/cell	32.60	8.45	5.29	2.18	1.51	0.84	0.44
1.75V/cell	35.00	8.93	5.37	2.23	1.53	0.86	0.45
1.70V/cell	36.70	9.35	5.45	2.27	1.55	0.87	0.46
1.67V/cell	37.40	9.54	5.48	2.29	1.56	0.87	0.46
1.60V/cell	40.30	10.20	5.57	2.34	1.58	0.88	0.47

Constant Power Discharge Characteristics: W (25°C)

F.V/Time	5 min	15 min	1 hr	3 hr	5 hr	10 hr	20 hr
1.85V/cell	57.10	30.10	9.97	4.20	2.89	1.62	0.85
1.80V/cell	60.20	31.20	10.40	4.35	2.97	1.68	0.88
1.75V/cell	64.70	32.30	10.70	4.49	3.05	1.71	0.90
1.70V/cell	67.80	33.40	11.00	4.62	3.10	1.75	0.91
1.67V/cell	69.80	34.00	11.10	4.67	3.12	1.77	0.91
1.60V/cell	74.70	35.90	11.50	4.85	3.18	1.80	0.92