

SPG series battery uses latest GEL technology with longer cycle life. It is suitable for large current and deep cyclic applications. It can be used in e-vehicles, sightseeing, golf and logistics cars.



Benefits

- Up to 700 cycles 80% DOD
- Good large current discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

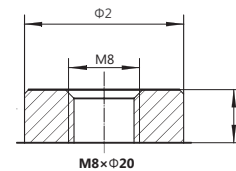
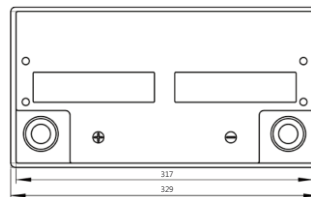
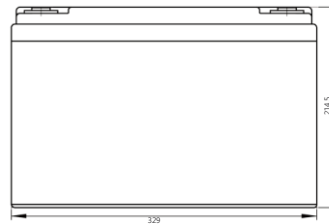
Applications

- Electrical Vehicle
- Mixture Electrical vehicle

Standards

- GB/T 18332.1
- QC/T 742
- IEC61982-3
- GB/T 7403.1
- GB/T 23636

Drawing



Specifications

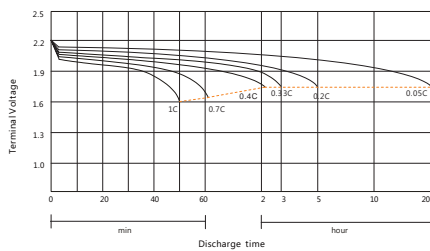
Battery Model	SPG115-12			
Design Life (80% DOD)	700 cycles			
Capacity (Ah, 25°C)	20HR (5.7A, 1.75V)	5HR (22.0A, 1.75V)	3HR (33.33A, 1.75V)	2HR(46.0A, 1.75V)
	115	110	100	92
Dimensions (mm)	Length	Width	Height	Total Height
	329	171	214.5	214.5
Approx. Weight (kg)	34.5			
Reference Internal Resistance (mΩ)	5.0 (full charged @ 25°C)			
Maximum Discharge Current (A/10 Sec.)	900			
Self-Discharge (25°C)	≤ 3% per month			
Charge Voltage (V/cell, 25°C)	Cycle use		Float use	
	2.45 (-3mV/°C/cell), max charge current: 15A		2.35 (-3mV/°C/cell)	

Discharge Data

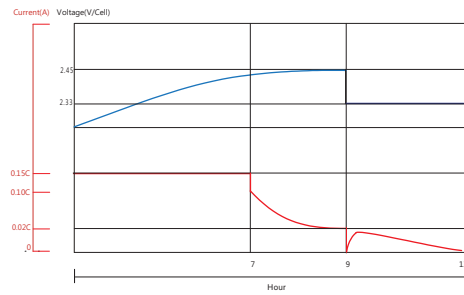
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min					h					
	10	20	30	45	60	1.5	2	3	5	10	20
1.60	241.8	160.3	120.5	89.63	75.92	59.76	47.20	33.97	22.40	11.47	5.780
1.65	236.4	157.1	118.6	88.19	74.83	59.15	46.83	33.83	22.29	11.44	5.760
1.70	229.0	153.3	116.0	86.60	74.02	58.61	46.50	33.63	22.18	11.38	5.755
1.75	219.3	150.5	114.0	85.33	73.00	57.93	46.00	33.33	22.00	11.30	5.750
1.80	208.1	144.8	110.2	82.86	71.07	56.58	45.08	32.74	21.69	11.18	5.654

Constant Current Discharge Data (25°C, W/cell)											
End Voltage (V/cell)	min					h					
	10	20	30	45	60	1.5	2	3	5	10	20
1.60	396.9	288.7	222.2	169.3	146.5	117.0	93.29	67.59	44.74	22.99	11.60
1.65	388.0	287.3	221.1	167.9	145.3	116.3	92.88	67.72	44.70	22.99	11.60
1.70	375.8	283.6	218.6	166.0	144.3	115.6	92.37	67.18	44.43	22.87	11.54
1.75	360.0	281.9	216.8	164.8	143.0	114.6	91.54	66.74	44.21	22.77	11.50
1.80	344.0	276.0	212.3	161.3	139.8	112.3	90.13	65.76	43.74	22.56	11.43

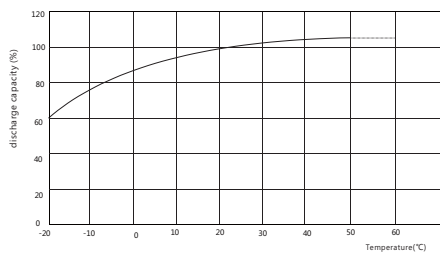
Performance Curve



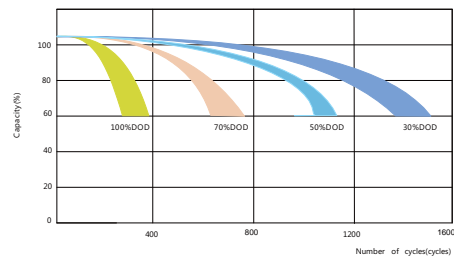
Discharging performance



Charge performance



Discharge capacity vs. temperature



Cycles vs. discharge depth