

Benefits

- 1000 cycles 50% DOD
- Good large current discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

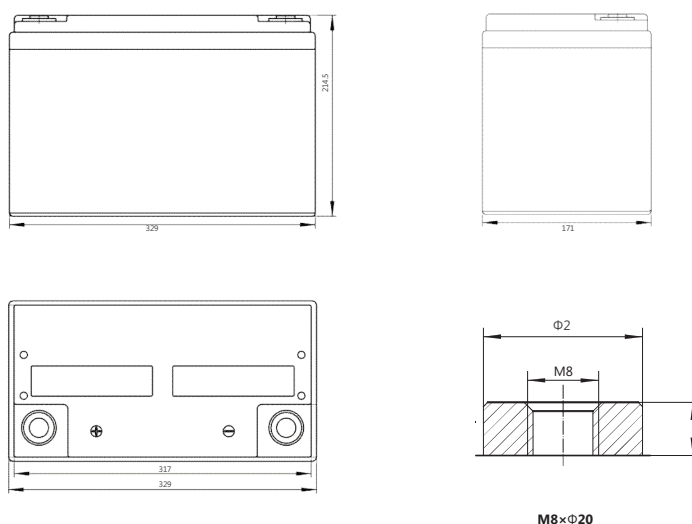
Applications

- Electrical Vehicle
- Mixture Electrical vehicle

Standards

- GB/T 18332.1
- QC/T 742
- IEC61982-3
- GB/T 7403.1
- GB/T 23636
- TS1352 EN60896-21/22

Drawing



Specifications

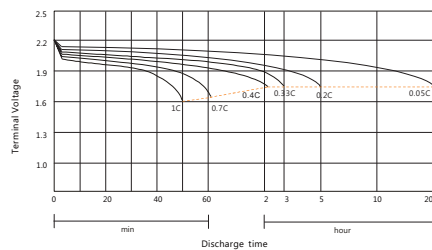
Battery Model	SPG110-12 AGS			
Design Life (50% DOD)	1,000 cycles			
Capacity (Ah, 25°C)	20HR (6A, 1.75V)	5HR (22.0A, 1.75V)	3HR (33.33A, 1.75V)	2HR(46.0A, 1.75V)
	120	110	100	92
Dimensions (mm)	Length	Width	Height	Total Height
	329	171	214.5	214.5
Approx. Weight (kg)	34.5			
Reference Internal Resistance (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

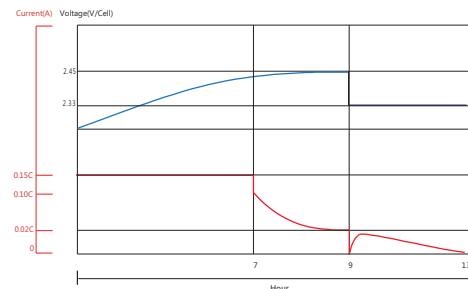
Constant Current Discharge Data (25°C, A)											
End Voltage (V/cell)	min					h					
	10	20	30	45	60	1.5	2	3	5	10	20
1.60	241.8	160.3	120.5	89.63	75.92	59.76	47.20	33.97	22.40	11.47	6.080
1.65	236.4	157.1	118.6	88.19	74.83	59.15	46.83	33.83	22.29	11.44	6.060
1.70	229.0	153.3	116.0	86.60	74.02	58.61	46.50	33.63	22.18	11.38	6.034
1.75	219.3	150.5	114.0	85.33	73.00	57.93	46.00	33.33	22.00	11.30	6.000
1.80	208.1	144.8	110.2	82.86	71.07	56.58	45.08	32.74	21.69	11.18	5.954

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

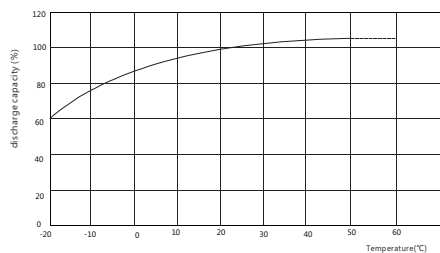
Performance Curve



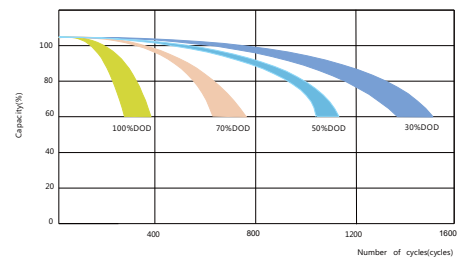
Discharging performance



Charge performance



Discharge capacity vs. temperature



Cycles vs. discharge depth