Product Features

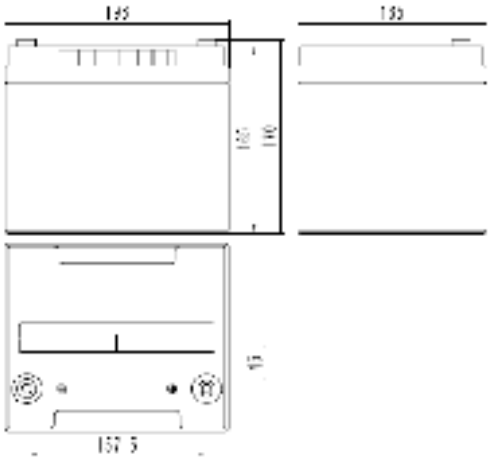
- Patent composite grid structure, a smaller plate spacing design which provide high current discharge performance and high power output;
- Special active material structure technology, benefit for electrolyte rapid move;
- Optimization for positive and negative active material ratio, battery has high power ratio
- Patent multi-layer polarity sealing structure, safety and reliable leakage-proof

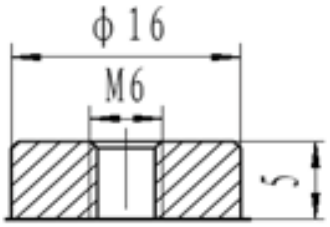
Application

- UPS/EPS
- Power station
- Emergency Lighting
- Universal

Compliant Standards

- GB/T 19639.1-2005；
- IEC 61056-1/2: 2002
- JIS C8702-1/2：2009；
- Passed ISO9001、ISO14001、OHSAS18001、UL and CE certificates





SP-28

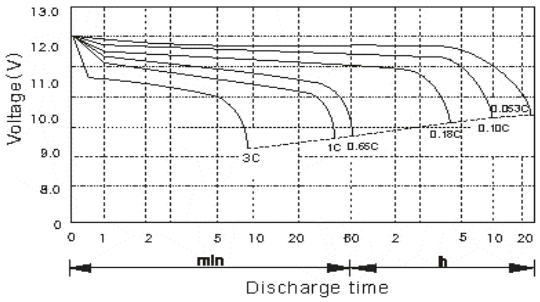
Battery Model	SPG12233W			
Designed Life	10 Years			
Capacity(25℃)	20HR(2.42A,1.80V)	10HR(4.5A,1.80V)	5HR(7.82A,1.75V)	1HR(29.6A,1.70V)
	48.4AH	45AH	39.1AH	29.6AH
Dimensions	Length	Width	Height	Total Height
	196mm	165mm	165mm	170mm
Approx. Weight	14.0kg			
Internal Resistance	6.5mΩ			
Maximum Discharge Current	540A(5 Sec.)			
Self Discharge	≤2% per months (25℃)			
Charge Voltage(25℃)	Cycle use		Float use	
	14.7V(-24mV/℃), max charge current:13.5A		13.62V(-18mV/℃)	

Discharge parameter:

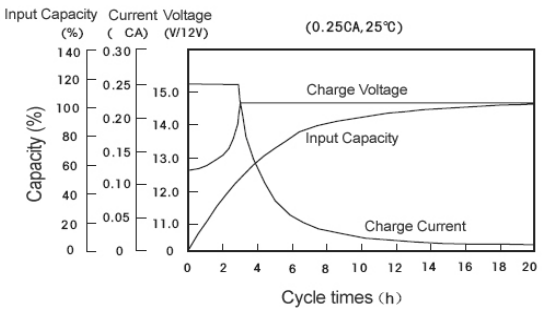
Constant current discharge data（25℃，A）													
Endvoltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	162.0	110.3	93.76	75.60	56.60	42.00	32.70	23.20	18.17	13.60	8.840	4.690	2.460
1.65	149.6	105.6	89.50	71.70	53.70	39.90	31.30	22.30	17.44	13.10	8.480	4.650	2.450
1.70	139.0	101.0	84.60	67.70	51.15	37.90	29.60	21.43	16.80	12.50	8.110	4.610	2.440
1.75	129.3	96.20	79.70	63.90	48.47	36.23	28.20	20.70	16.26	12.08	7.820	4.560	2.430
1.80	119.3	92.20	76.90	61.80	46.50	35.00	26.92	19.70	15.70	11.63	7.610	4.500	2.420

Constant power discharge data（25℃，W/cell）													
Endvoltage (V/cell)	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	5h	10h	20h
1.60	288.9	233.0	167.8	134.2	99.40	72.20	58.10	41.60	33.40	25.20	17.10	9.630	5.230
1.65	274.8	223.1	163.0	129.1	96.20	70.20	56.50	40.50	32.50	24.60	16.70	9.440	5.210
1.70	257.8	212.5	156.8	125.3	93.00	67.90	55.00	39.40	31.70	24.00	16.50	9.250	5.180
1.75	241.7	202.4	150.7	120.1	89.70	65.80	53.30	38.30	30.80	23.30	16.00	9.060	5.150
1.80	228.9	192.8	144.9	116.2	86.50	63.60	51.70	37.20	30.00	22.70	15.60	8.860	5.070

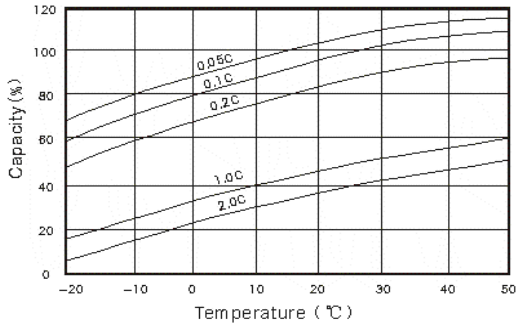
Performance Curve：



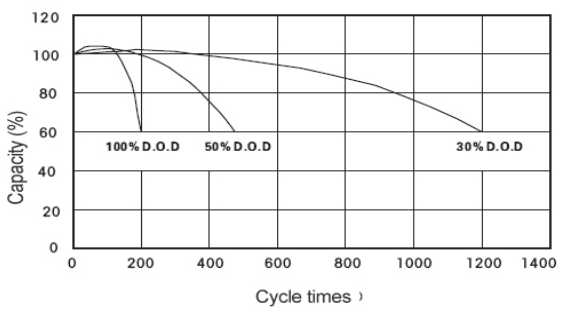
Discharge performance



Charge performance



Discharge capacity Vs temperature



Cycle life Vs discharge depth

ISO9001 ISO14001 OHSAS18001

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