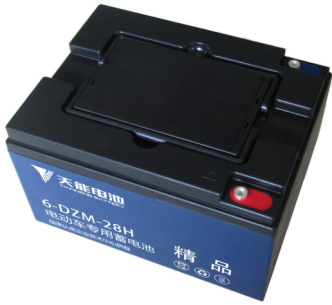




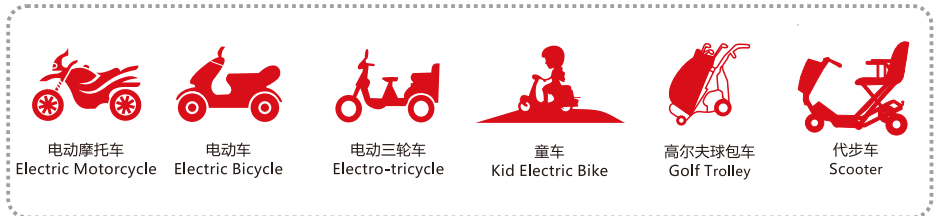
天能电池
TIANNENG BATTERY

6-DZM-28H (12V28Ah)

高性能设计 High performance	AGM技术 AGM separator	多元稀土合金 Multi-element patent rare earth alloy	80%放电循环 400~600次 80%DOD 400~600cycles
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应用领域 Product Applications



产品特性 Product Specifications

额定电压 Nominal Voltage	额定容量 Rated Capacity(2hr)	推荐使用温度范围 Operating Temp. Range	不同温度下的容量 Capacity Effected by Temp.	存放容量@25°C/77°F Capacity vs Storage Time
12V	28Ah@25°C (77°F, 1.75V/cell)	放电 Discharge: -20~+55°C (-4~131°F) 充电 Charge: 0~+40°C (32~104°F) 储存 Storage: -20~+50°C (-4~122°F) 最佳 Optimum: 25±3°C (77±5°F)	+ 4 0°C (1 0 4°F): 1 0 2 % + 3 0°C (8 6°F): 1 0 0 % 0 °C (3 2 °F): 8 5 % - 1 5°C (5 °F): 7 5 %	3个月(three month): 90% 6个月(six months): 80% 9个月(nine months): 65%

物理特性 Physical Specifications

材料 Material	尺寸 Dimensions				重量 Weight
ABS UL94-HB (阻燃 ABS UL94-V0)	长 Length	宽 Width	高 Height	总高 TH	9.7kg (21.4lbs)
	175±3mm (6.89 inch.)	166±2mm (6.54 inch.)	125±2mm (4.92 inch.)	128±2mm (5.04 inch.)	

恒流放电参数 Constant Current Discharge(A)@25°C(77°F)

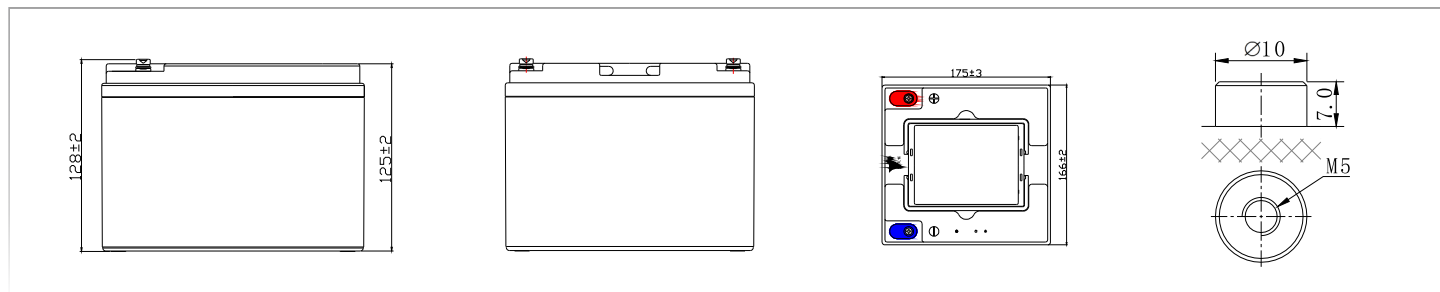
终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	111.5	80.0	64.2	53.2	39.9	32.6	23.8	13.6	9.86	7.63	6.17	5.17	3.91	3.16	1.66
1.80V/cell	120.5	86.8	67.0	54.8	40.8	33.2	24.2	13.8	9.99	7.70	6.23	5.22	3.97	3.21	1.69
1.75V/cell	127.4	89.9	69.3	56.1	41.7	33.9	24.6	14.0	10.1	7.76	6.27	5.26	3.98	3.23	1.70
1.70V/cell	131.0	92.1	70.7	57.4	42.4	34.3	24.9	14.1	10.2	7.80	6.30	5.28	4.01	3.24	1.70
1.67V/cell	133.4	94.1	72.1	58.7	43.2	34.9	25.2	14.2	10.2	7.83	6.32	5.30	4.01	3.24	1.70
1.60V/cell	136.9	95.8	73.7	60.0	44.3	35.4	25.5	14.4	10.3	7.86	6.33	5.31	4.03	3.25	1.70

恒功率放电参数 Constant Power Discharge(W/cell)@25°C(77°F)

终止电压/时间 F.V / Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	207.7	151.6	123.1	103.0	78.5	64.7	47.4	27.2	19.7	15.3	12.4	10.3	7.84	6.33	3.32
1.80V/cell	221.3	164.0	128.4	105.9	80.4	65.9	48.2	27.6	20.0	15.4	12.5	10.5	7.94	6.42	3.38
1.75V/cell	228.5	169.4	132.5	108.4	82.0	67.1	48.9	27.9	20.2	15.5	12.5	10.5	7.96	6.45	3.39
1.70V/cell	229.7	173.2	135.1	110.8	83.4	68.0	49.5	28.2	20.3	15.6	12.6	10.6	8.00	6.47	3.40
1.67V/cell	230.0	176.4	137.7	113.2	84.8	69.0	50.1	28.3	20.4	15.6	12.6	10.6	8.01	6.48	3.40
1.60V/cell	233.2	178.9	140.6	115.6	86.9	69.9	50.5	28.7	20.5	15.7	12.6	10.6	8.02	6.48	3.40

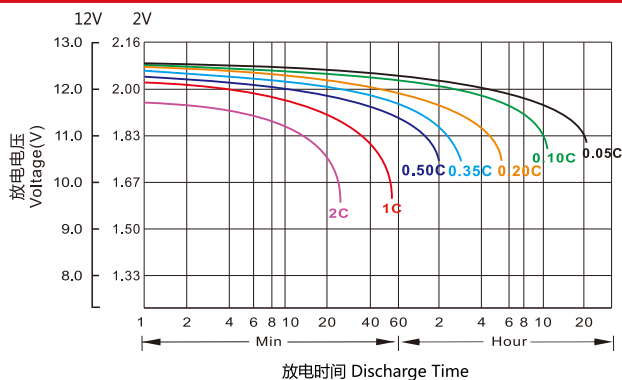
ISO9001 ISO14001 OHSAS18001 IEC ROHS MH61820 CE EMC tested

外形尺寸 Battery Dimensions(mm)

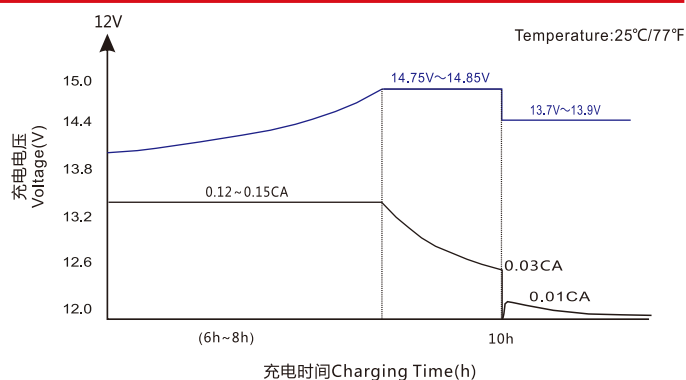


电性能 Electrical Characteristics

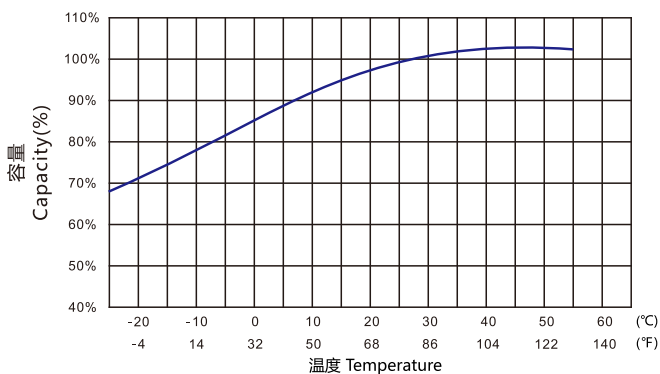
不同倍率放电特性 Discharge Characteristics(25°C/77°F)



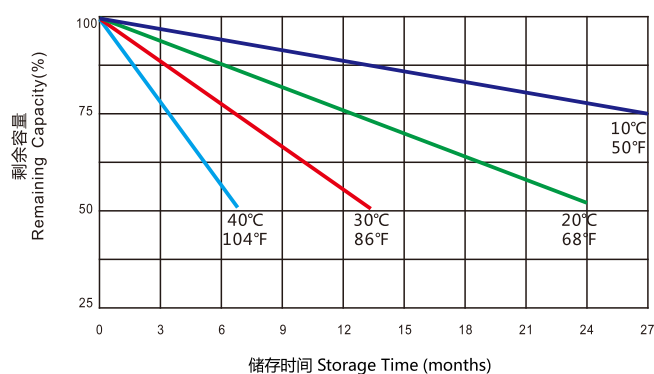
充电特性曲线 Charging Characteristics



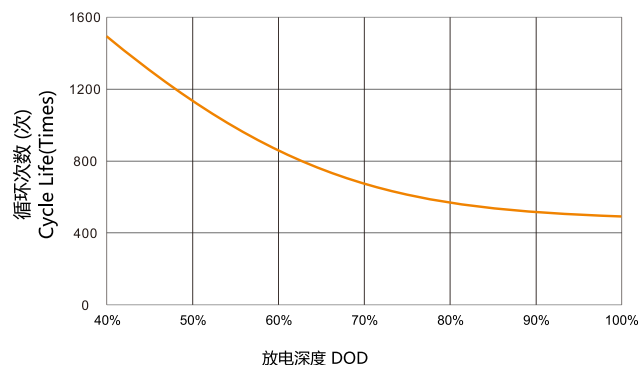
电池容量曲线 Capacity vs Temperature



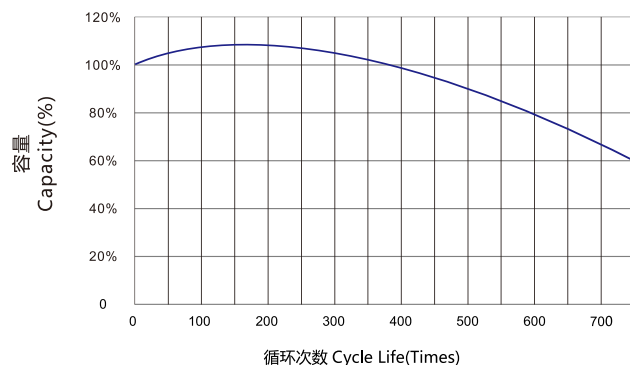
自放电曲线 Self-discharge vs Time



循环次数与放电深度 Cycle Life vs Depth of Discharge



循环次数与容量 Cycle Life vs Capacity@25°C(77°F)



充电电流 Charge Current

限流: ≤0.3CA
Limited current: ≤0.3CA

快速充电 Fast Charge

恒压 Constant voltage: 14.80V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -30mV/°C

浮充充电 Float Charge

恒压 Constant voltage: 13.80V@25°C(77°F)
温度补偿系数 Temp. Coefficient: -18mV/°C