

DS-IUHB1238-J 铅酸电池

一般特性

- Pb-Ca 多元合金板栅，耐腐蚀性能强 High corrosion resistant performance: Pb-Ca multi-alloy grid
- 高能量密度和功率密度 High energy density and power density
- 优化的瞬间大电流能力 Optimized capability of instant high-current discharging
- 优秀的充电接受能力 Excellent charge acceptance ability
- 深循环放电性能优异 Excellent deep cycle discharge capability
- 高低温性能优越 Strong high and low temperature performance
- 可靠的密封技术 Precision sealing technology
- 长寿命 Long life



规格

- 额定电压 Nominal Voltage: 12V
- 额定容量 Nominal Capacity: 38Ah
- 设计寿命 Design life: 10年 / 10years
- 端子 Terminal: M6
- 参考重量 Approx. Weight: 约 12.5KG (27.6lbs)
- 外壳材料 Container Material: ABS HB 级阻燃
- 额定小时率容量 Rate Capacity :

| | |
|----|--------------------------------|
| 容量 | 20 小时率 (1.9A to 10.5V): 38Ah |
| | 3 小时率 (10.2A to 10.8V): 30.6Ah |
| | 1 小时率 (24.9A to 10.5V): 24.9Ah |

- 内阻 Internal resistance: 满荷电 Full charged at 25°C 12.2mΩ
- 最大放电电流 Max. Discharge Current 456A(5S)
- 工作温度 Operating Temperature

| | |
|------|---------------------------------------|
| 工作温度 | 放电 Discharge: -20°C~50°C (-4°F~122°F) |
| | 充电 Charge: -20°C~50°C (-4°F~122°F) |
| | 存储 Storage: -20°C~50°C (-4°F~122°F) |

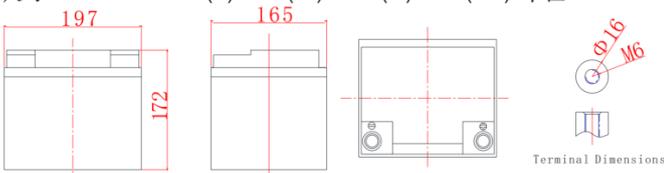
- 充电方式 (25°C) Charge Method:

| | |
|--|--|
| 充电特性 | 充电电流 Charge current: 3.8A |
| | 浮充充电 Float charge: 13.5V(-18mV/°C) |
| | 均充充电 Equalize charge: 14.1V (-24mV/°C) |
| | 循环充电 Cycle charge: 14.4V (-30mV/°C) |
| 自放电 Self discharge: 3%/月 month at 25°C | |

应用

- UPS/EPS
- 电力系统 Power system
- 电信系统 Telecommunications system
- 应急照明、自动控制系统 Emergency system、Auto control system
- 太阳能/风力发电存储 Solar/wind generating storage cyclic
- 其他通用用途 Other general purpose

尺寸Dimension: 197(L)×165(W)×172(H)×172(TH) 单位Unit: mm



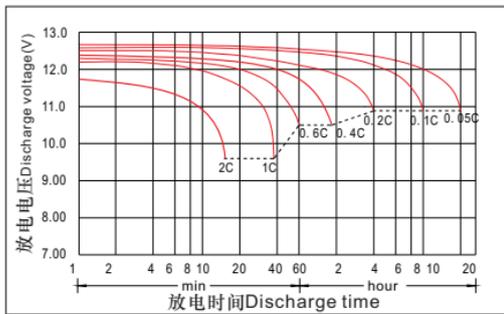
恒电流放电特性 Constant Current Discharge Characteristics 单位 Unit: A (25°C, 77°F)

| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 134 | 71.9 | 43.8 | 25.6 | 14.7 | 10.7 | 7.15 | 4.69 | 3.68 | 1.93 |
| 1.65V | 130 | 69.8 | 43.0 | 25.4 | 14.6 | 10.5 | 7.08 | 4.66 | 3.64 | 1.92 |
| 1.70V | 125 | 68.3 | 42.3 | 25.2 | 14.5 | 10.4 | 7.00 | 4.62 | 3.61 | 1.91 |
| 1.75V | 115 | 66.0 | 41.9 | 24.9 | 14.3 | 10.3 | 6.93 | 4.58 | 3.58 | 1.90 |
| 1.80V | 103 | 61.6 | 40.1 | 24.2 | 14.0 | 10.2 | 6.74 | 4.54 | 3.54 | 1.89 |
| 1.85V | 91.6 | 54.9 | 36.6 | 22.5 | 13.3 | 9.61 | 6.41 | 4.36 | 3.44 | 1.86 |

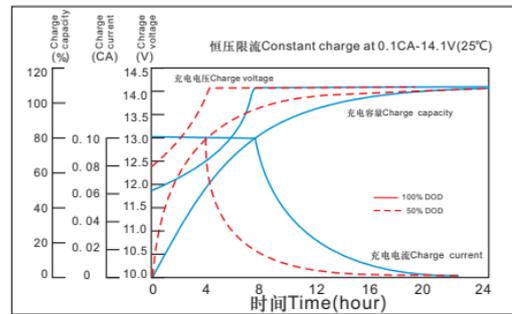
恒功率放电特性 Constant Power Discharge Characteristics 单位 Unit: W/cell (25°C, 77°F)

| FV/Time | 5min | 15min | 30min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|---------|------|-------|-------|------|------|------|------|------|------|------|
| 1.60V | 224 | 127 | 79.2 | 48.4 | 27.7 | 20.3 | 13.6 | 9.12 | 7.08 | 3.82 |
| 1.65V | 216 | 124 | 78.4 | 48.0 | 27.7 | 20.0 | 13.5 | 9.05 | 7.00 | 3.81 |
| 1.70V | 215 | 123 | 78.4 | 47.6 | 27.6 | 19.9 | 13.4 | 9.01 | 6.94 | 3.79 |
| 1.75V | 200 | 122 | 78.1 | 47.3 | 27.4 | 19.8 | 13.3 | 8.94 | 6.86 | 3.77 |
| 1.80V | 184 | 116 | 76.2 | 46.9 | 27.3 | 19.7 | 13.1 | 8.86 | 6.80 | 3.75 |
| 1.85V | 164 | 103 | 69.9 | 43.5 | 26.1 | 18.7 | 12.5 | 8.56 | 6.69 | 3.72 |

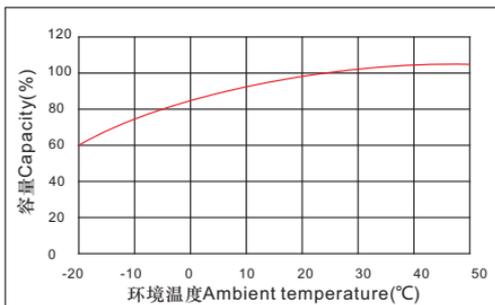
放电特性曲线
Discharge characteristic



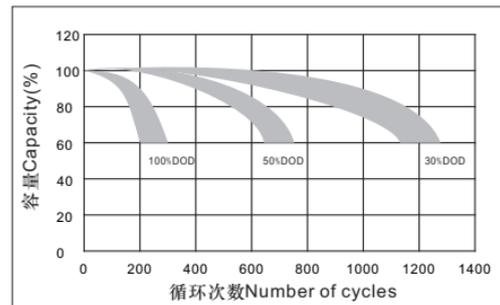
充电特性曲线
Charging characteristic



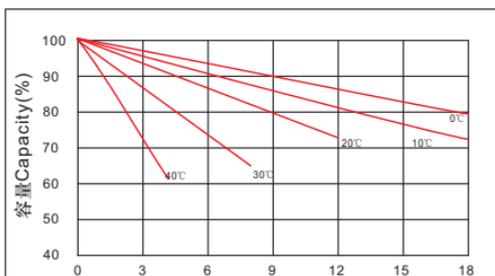
温度对容量的影响
The effect of temperature on capacity



放电深度对循环寿命的影响
The effect of discharge depth on cycle life



自放电曲线
Curves of self-discharge



温度对浮充寿命的影响
The effect of temperature on float life

