

## DS-IUHB12100-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

### 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



### 规格

- 额定电压 Nominal Voltage: 12V
- 额定容量 Nominal Capacity: 100Ah
- 设计寿命 Design life: 10 年 / 10years
- 端子 Terminal: M8
- 参考重量 Approx. Weight: 约 Approx27.0KG (59.6lbs)
- 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 (5.0A to 10.8V): 100Ah
	3 小时率 (24.2A to 10.8V): 72.6Ah
	1 小时率 (58.9A to 10.5V): 58.9Ah

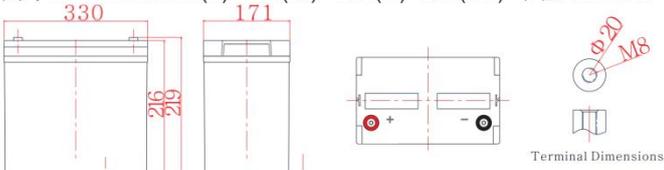
- 内阻 Internal resistance:
  - 满荷电 Full charged at 25°C 5.4mΩ
- 最大放电电流 Max. Discharge Current 1080A(5S)
- 工作温度 Operating Temperature

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: 10A
	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

尺寸Dimension:330(L)×171(W)×216(H)×219(TH) 单位Unit:mm



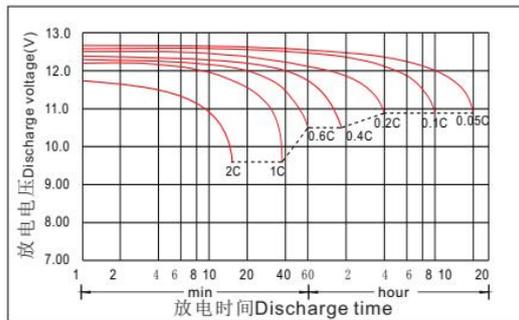
恒电流放电特性 Constant Current Discharge Characteristics 单位 Unit: A (25°C, 77°F)

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	317	170	104	60.6	34.8	25.2	16.9	11.1	9.67	5.07
1.65V	307	165	102	60.2	34.6	25.0	16.8	11.0	9.58	5.05
1.70V	295	162	100	59.8	34.3	24.6	16.6	10.9	9.48	5.01
1.75V	271	156	99.2	58.9	33.8	24.3	16.4	10.8	9.39	5.00
1.80V	243	146	94.9	57.4	33.2	24.2	16.0	10.8	9.30	4.98
1.85V	217	130	86.6	53.2	31.5	22.8	15.2	10.3	9.02	4.89

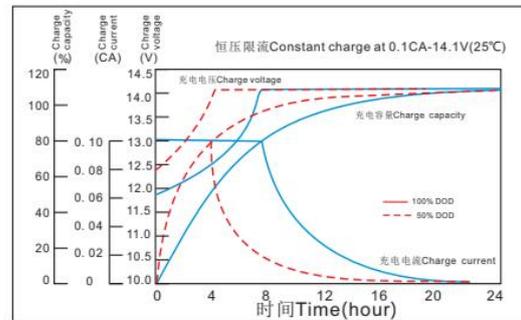
恒功率放电特性 Constant Power Discharge Characteristics 单位 Unit: W/cell (25°C, 77°F)

FV/Time	5min	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	532	300	188	115	65.7	48.0	32.1	21.6	18.60	10.04
1.65V	511	295	186	114	65.5	47.4	31.9	21.4	18.39	10.00
1.70V	509	291	186	113	65.3	47.1	31.7	21.3	18.18	9.95
1.75V	474	290	185	112	64.9	46.8	31.5	21.2	18.08	9.91
1.80V	436	274	180	111	64.7	46.7	31.1	21.0	17.87	9.86
1.85V	389	245	165	103	61.8	44.4	29.7	20.3	17.56	9.76

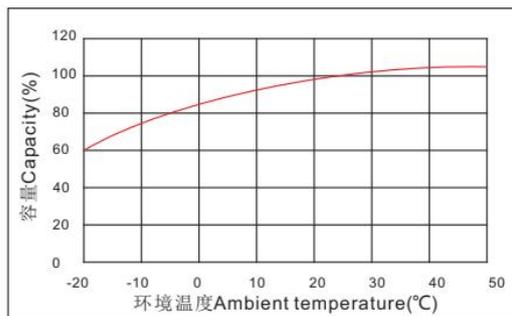
放电特性曲线  
Discharge characteristic



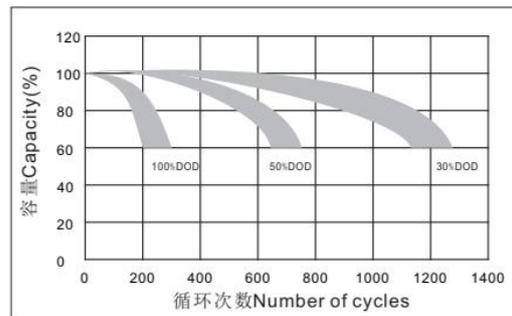
充电特性曲线  
Charging characteristic



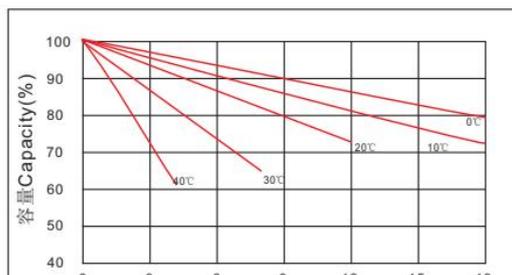
温度对容量的影响  
The effect of temperature on capacity



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

