



**ULTATRON  
FRANCE**

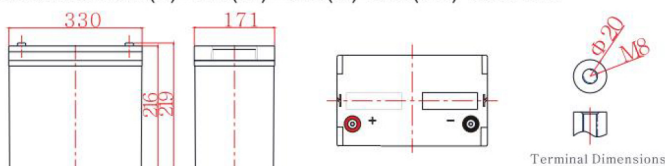


### Características gerais

- › Eletrólito coloidal de nanosilica e design de liga de placa positiva com alto teor de estanho para melhorar o desempenho da bateria
- › Eletrólito relativamente rico, desempenho de alta temperatura e baixa temperatura é superior
- › Ciclo de vida longo, excelente capacidade de descarga de ciclo profundo
- › Excelente capacidade de aceitação de carga
- › Tecnologia de vedação de precisão
- › Vida longa



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



### Aplicações

- › Energia solar, eólica e outras novas energias armazenamento
- › UPS/EPS
- › Sistemas de energia
- › Sistema de telecomunicações
- › Iluminação de emergência, Sistema de controle automático
- › Outras muitas gerais

### Especificação

Nominal Voltage	12V
Nominal Capacity	100Ah
Design life	10 years
Terminal	M8
Approx. Weight	Approx 29.5kg (65.0lbs)
Container Material	ABS
Rated Capacity	100Ah 10Hour Rate (10.0A to 10.8V)
	78.9Ah 3Hour Rate (26.3A to 10.8V)
	64.2Ah 1Hour Rate (64.2A to 10.5V)
Internal resistance	Full charged at 25°C: 5.2 mΩ
Max. Discharge Current	1200A(5S)
Operating Temperature	Discharge: -40 ~60°C(-40~ 140°F)
	Charge: -20 ~50°C(-4~ 122°F)
	Storage: -20 ~50°C(-4~ 122°F)
Charge current:	Max. 25.0A ; Recom.10.0A
Charge Method (25 °C)	Float Charge: 13.5-13.8V, recom.13.8V(-18mV/ °C)
	Equalize charge: 13.8-14.1V, recom.14.1V(-24mV/ °C)
	Cycle charge: 14.4-15.0V, recom.14.7V(-30mV/ °C)
Self discharge	3% of capacity declined per month at 25°C

### Características de descarga constante

### Unidade A: (25°C, 77°F)

FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	184	112	66.0	37.8	27.5	18.4	12.1	10.3	5.43
1.65V	178	110	65.6	37.6	27.2	18.2	12.0	10.2	5.40
1.70V	174	108	65.1	37.4	26.8	18.1	11.9	10.1	5.37
1.75V	169	107	64.2	36.8	26.5	17.9	11.8	10.0	5.35
1.80V	157	102	62.5	36.1	26.3	17.4	11.7	10.0	5.32
1.85V	140	93.3	57.9	34.3	24.8	16.5	11.2	9.65	5.23

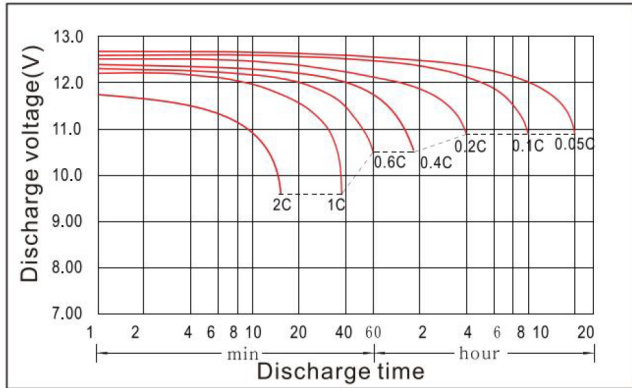
### Características de descarga de potência

### Unidade: W/celda (25°C, 77°F)

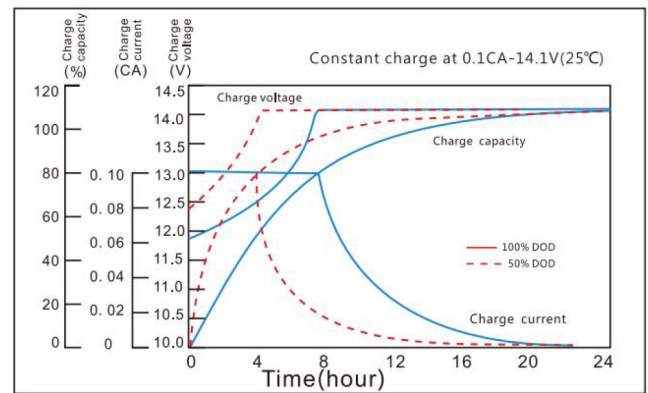
FV/Time	15min	30min	1h	2h	3h	5h	8h	10h	20h
1.60V	323	202	125	71.5	52.2	35.0	23.5	19.9	10.7
1.65V	318	200	124	71.4	51.6	34.8	23.3	19.7	10.7
1.70V	314	200	123	71.1	51.3	34.5	23.2	19.5	10.6
1.75V	312	199	122	70.7	51.0	34.3	23.0	19.3	10.6
1.80V	295	194	121	70.5	50.8	33.9	22.9	19.1	10.5
1.85V	264	178	112	67.3	48.3	32.4	22.1	18.8	10.4



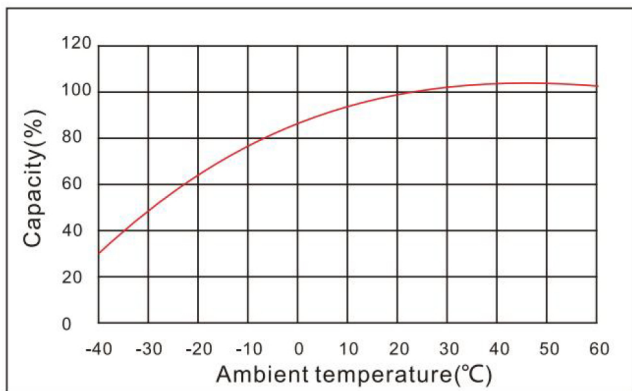
### Discharge characteristic



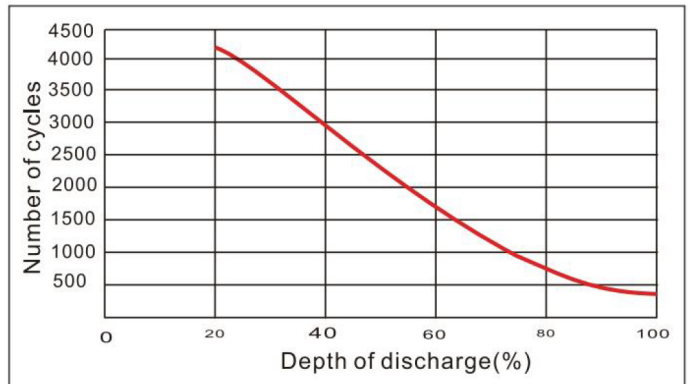
### Charging characteristic



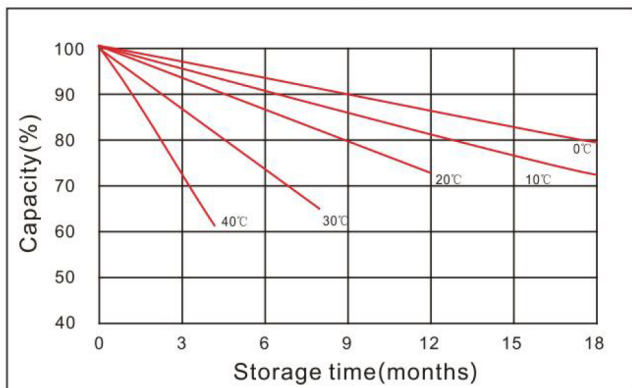
### The effect of temperature on capacity



### The effect of discharge depth on cycle life



### Curves of self-discharge



### Curves of open circuit voltage vs. capacity

