

# SN12100

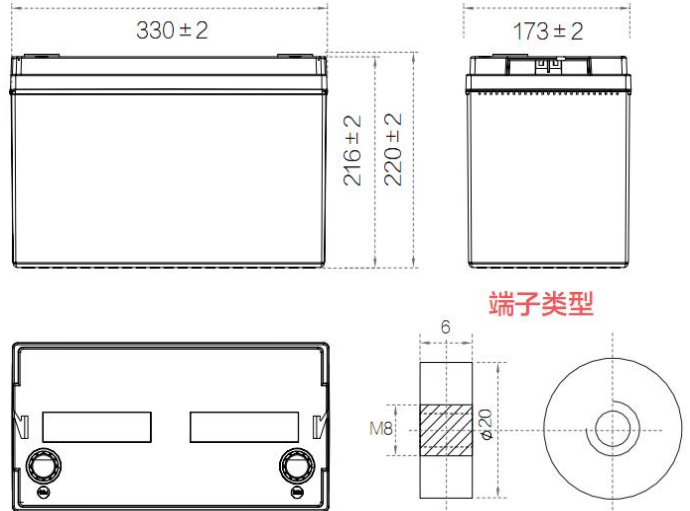
# 12V100AH



## 铅酸蓄电池参数表



### 电池外形尺寸 (±2mm)



### 电池标准

标称电压	12V	
标称容量 (20hr)	100AH	
外形尺寸	长	330±2mm(12.99inch)
	宽	173±2mm(6.81inch)
	高	216±2mm(8.50inch)
	总高	220±2mm(8.66inch)
重量	Approx.26.5±3%kg	
端子	M8嵌入式铜芯端子	
内阻	Approx.6±15% $\Omega$	
最大放电电流	800A(5S)	
浮充期待寿命	8~10年 (20~25℃)	

### 电池特性

容量(25℃)	100.0Ah	(20hr, 1.70V/cell,25℃/77°F)
	90.0Ah	(10hr, 1.75V/cell,25℃/77°F)
	75.0Ah	(3hr, 1.70V/cell,25℃/77°F)
	55.0Ah	(1hr, 1.60V/cell,25℃/77°F)
环境温度对容量的影响	40℃	103%
	25℃	100%
	0℃	86%
	-15℃	65%
自放电	3个月	Remaining capacity: 91%
	6个月	Remaining capacity:82%
	12个月	Remaining capacity:65%

### 恒功率参数 (25℃(77°F))

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	306.6	270.6	218.1	217.2	171.0	127.1	98.8	59.9	42.8	31.8	26.3	22.3	18.2	16.7	9.76
1.80V/cell	311.6	268.4	239.3	223.4	175.9	129.0	101.8	61.9	43.3	33.0	26.9	23.4	19.5	17.2	9.76
1.75V/cell	352.1	305.9	261.5	230.1	181.3	131.8	103.2	63.4	44.1	33.3	27.6	23.9	19.7	17.4	9.78
1.70V/cell	393.1	329.8	280.9	242.2	185.5	133.9	106.2	64.7	44.9	34.4	28.2	24.2	19.9	17.6	9.78
1.65V/cell	419.3	338.3	286.8	246.3	187.5	135.1	109.1	65.5	45.7	35.1	28.9	24.5	20.3	17.7	9.80
1.60V/cell	426.8	342.8	289.8	247.5	189.3	138.2	111.7	66.8	46.1	35.8	29.5	24.7	20.6	17.9	9.81

### 恒流参数 (25℃(77°F))

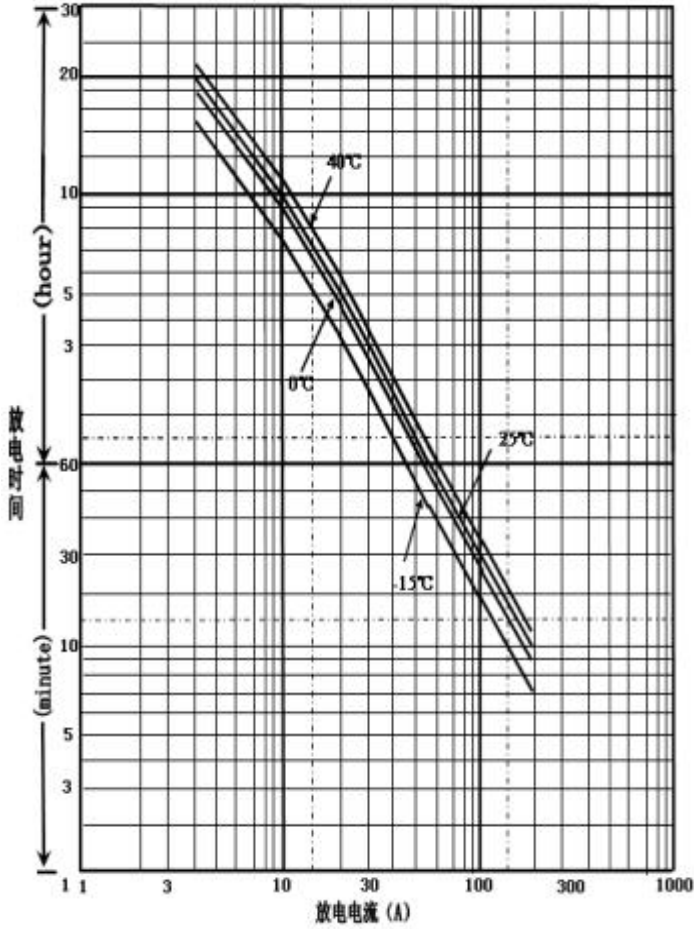
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	185.2	146.0	121.5	111.7	86.2	64.8	51.4	32.6	24.7	18.9	15.5	14.1	10.3	8.85	4.90
1.80V/cell	214.6	160.7	129.4	116.6	93.6	67.2	53.4	33.4	24.9	19.0	15.8	14.2	11.0	8.91	4.91
1.75V/cell	239.1	185.2	137.2	121.0	95.1	69.6	55.5	34.3	25.1	19.1	16.1	14.2	11.1	8.97	4.92
1.70V/cell	245.0	189.1	146.9	123.9	97.3	70.5	56.4	35.1	25.5	19.2	16.4	14.4	11.3	9.00	4.93
1.65V/cell	257.7	191.6	149.2	125.3	99.0	71.3	57.5	36.0	25.6	19.3	16.7	14.6	11.5	9.05	4.94
1.60V/cell	260.4	193.0	151.3	126.8	100.6	73.0	58.3	36.8	25.9	19.6	16.9	14.7	11.6	9.28	4.95

以上参数仅供参考，偏差范围±5%。

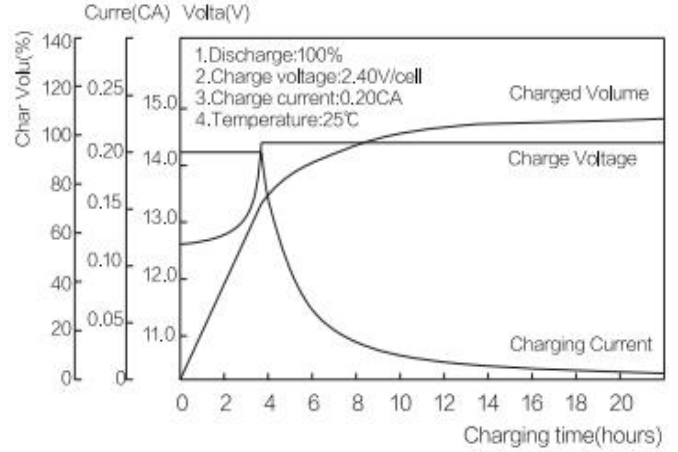
# SN12100 12V100AH

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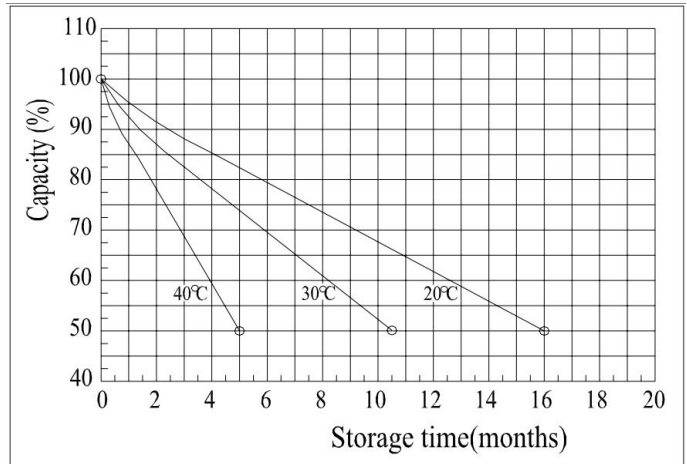
放电特性



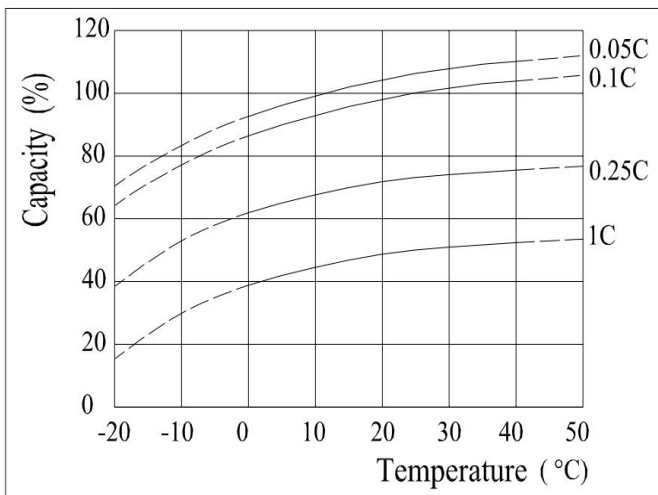
充电特性



自放电特性 (25°C (77°F))



温度对容量的影响



深度放电与循环寿命

