

# 閥調式鉛酸蓄電池(VRLA)

## PMU2100 (2V100AH)

### 規格 Type

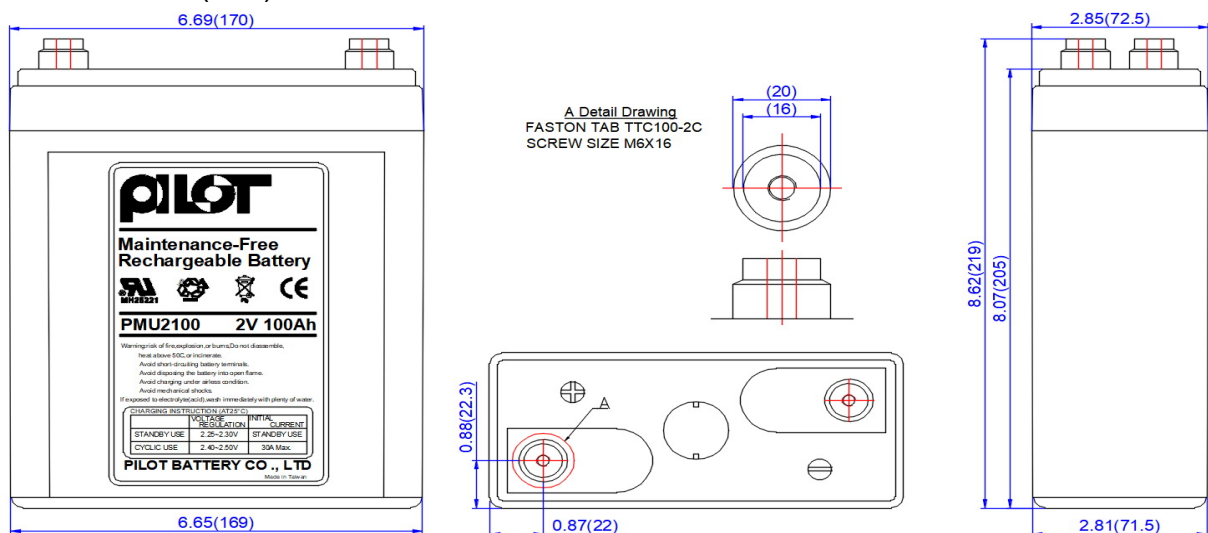
額定電壓 Rated Voltage	2V	
額定容量 Rated Capacity	100.0AH/10Hr/1.80V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	170±1mm(6.69in)
	寬度 Width	72.5±1mm(2.85in)
	高度 Height	205±1mm(8.07in)
	總高度 Total Height	219±1mm(8.62in)
重量 Weight	5.83kg(12.826Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、防震 Resist acid, resist oil, resist vibration	氧氣指數 Index of oxygen L.O.I>28%
電解液型式 Type of electrolyte	AGM 不外漏 Non-spillable	



### 特性 Properties

容量 Capacity 25°C(77°F)	10 小時率 10HR of 10.0A to 1.80V	100.0AH
	5 小時率 5HR of 17.0A to 1.80V	85.0AH
	1 小時率 1HR of 53.0A to 1.80V	53.0AH
	0.5 小時率 0.5HR of 99.0A to 1.80V	49.5AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.1.1mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(10HR to 105AH)
	25°C(77°F)	100%(10HR to 100AH)
	0°C(32°F)	85%(10HR to 85AH)
	-20°C(-4°F)	60%(10HR to 60AH)
自我放電 Self-discharge	180 天後不到 15%，可以在 20°C (68°F) 下保存 10 個月；使用前需要完全充電。 Less than 15% after 180 days, it can be stored at 20°C (68°F) for 10 months; it needs to be fully charged before use.	
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec	650.0A(6.5CA)	
浮充 Float Charging	電壓 Voltage	2.275±0.025V 25°C(77°F)
	電流 Current	30.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	2.45±0.05V 25°C(77°F)
	電流 Current	25.00A(0.25CA)
操作溫度 Operation Temperature Range	充電 Charge/放置 Storage:-15~40°C(5~104°F) · 放電 Discharge:-20~50°C(-4~122°F)	
期待壽命 Expected Life	25°C(77°F) 8~10 years	

### 尺寸 Dimension: inch (mm)



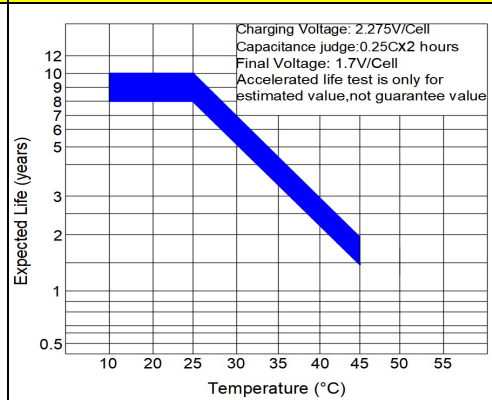
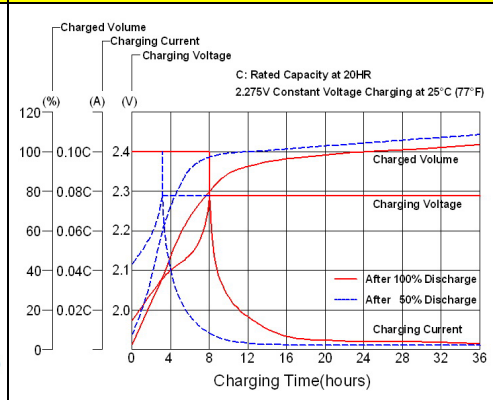
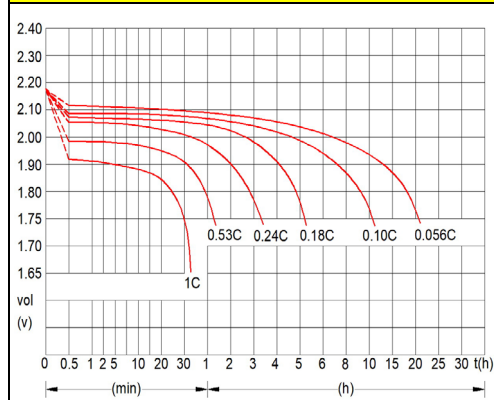
# PMU2100 PROPERTIES

Amperes and watts per battery at 25°C (77°F)

F.V.	Time	Minutes									Hours						
	Item	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10
1.60	A	283.7	223.0	181.0	159.0	133.0	120.0	108.0	100.0	90.0	64.8	38.4	28.6	22.8	19.1	13.5	11.1
	W	470.5	379.1	316.8	282.6	240.1	217.7	197.1	183.3	165.7	120.9	73.3	54.7	43.7	36.7	26.1	21.5
1.65	A	256.1	206.0	170.0	148.0	126.0	114.0	102.0	95.0	86.0	61.8	37.0	27.4	22.0	18.3	13.2	10.9
	W	435.3	356.8	302.5	266.4	229.5	208.4	187.5	175.5	159.6	116.1	70.8	52.7	42.5	35.5	25.5	21.2
1.70	A	233.0	191.0	161.0	139.0	121.0	109.0	98.0	91.0	84.0	60.8	36.4	26.8	21.8	17.9	12.8	10.6
	W	406.3	339.1	291.1	253.1	221.8	200.6	181.0	169.9	158.5	114.7	69.7	51.6	42.0	34.6	24.9	20.7
1.75	A	212.0	175.0	149.0	132.0	115.0	105.0	94.0	86.0	80.0	56.0	34.4	25.4	20.6	18.3	12.5	10.4
	W	375.3	316.3	270.7	241.9	212.7	195.1	175.8	161.2	150.3	106.1	66.2	49.1	40.0	32.1	24.4	20.4
1.80	A	187.0	160.0	136.0	124.0	109.0	99.0	90.0	82.0	78.0	53.0	32.8	24.4	20.4	17.0	12.0	10.0
	W	339.5	292.0	248.6	228.5	202.5	184.5	168.4	154.1	147.2	101.0	63.3	47.3	39.6	33.0	23.3	19.7
1.83	A	140.0	125.0	112.0	101.0	93.0	85.0	78.0	70.0	67.0	48.8	31.0	23.2	18.8	15.8	10.4	9.4
	W	260.8	233.9	210.6	190.6	176.2	161.6	148.9	134.7	130.0	93.8	60.5	45.3	36.8	31.0	20.4	18.7

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> <li>☆廣播電視系統 Broadcast television systems</li> <li>☆電信和 UPS 系統 Telecom and UPS systems</li> <li>☆通信系統 Communication back-up systems</li> <li>☆太陽能儲備系統 Solar storage power systems, wind power systems</li> <li>☆電力系統 Power systems</li> <li>☆緊急照明 Emergency lighting</li> <li>☆火災安全系統 Fire and security systems</li> </ul>	<ul style="list-style-type: none"> <li>☆沒有漏酸的危險，氣體釋放率超低，不需加水，能防止電解液乾枯或產生層化現象(於放電時)再組合率大於 98%</li> <li>Non-spillable, no leaking danger, the gas consumption rate is low, no need to replenish water, can avoid acid lack or crystallization problem during discharge, the recombination rate is higher than 98%</li> <li>☆極柱採用鉛錫合金或合金銅鍍鉛材質 The polarities adopted Antimony-Lead alloy or copper alloy covered with Lead material.</li> </ul>	<ul style="list-style-type: none"> <li>☆正負極板是鉛鈣合金 Positive, negative's plates are all Calcium-Lead alloy.</li> <li>☆塑殼是防火 ABS 或等級是 UL 94V-0 L.o.I &gt;28 % The plastic material is fire-resistance ABS or same grade of UL 94V-0 L.O.I &gt;28%</li> <li>☆組立用螺絲採用 M6 螺絲，扭力從 7N-m 至 9N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M6 screws, torque from 7N-m to 9N-m (maximum) made of stainless steel, durable.</li> </ul>

放電特性(25°C) Discharge characteristic at different rates(25°C)	定電壓充電(25°C) Charging Characteristics	浮充期待壽命 Float Service Life
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溫度與充電電壓關係 Relationship Between Temperature And Charging Voltage	容量保持性與溫度關係 Capacity Retention Characteristic	壽命循環關係 Cycle Service Life
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