

閥調式鉛酸蓄電池(VRLA)

PMU2300 (2V300AH)

規格 Type

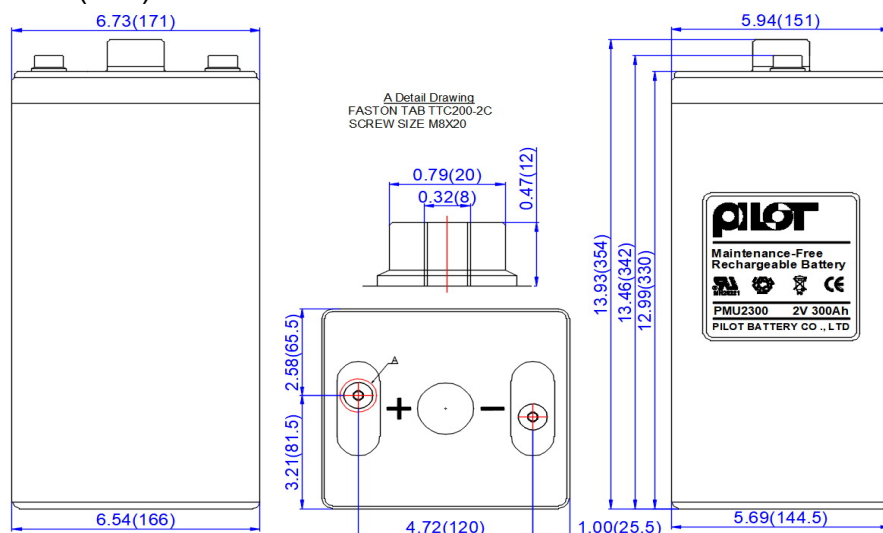
額定電壓 Rated Voltage	2V	
額定容量 Rated Capacity	300.0AH/10Hr/1.80V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	171±1mm(6.73in)
	寬度 Width	151±1mm(5.94in)
	高度 Height	330±1mm(12.99in)
	總高度 Total Height	365±1mm(14.37in)
重量 Weight	19.0kg(41.8Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、抗油、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 30.0A to 1.80V	300.0AH
	5 小時率 5HR of 51.0A to 1.80V	255.0AH
	1 小時率 1HR of 159.0A to 1.80V	159.0AH
	0.5 小時率 0.5HR of 234.0A to 1.80V	117.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.0.55mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(10HR to 315AH)
	25°C(77°F)	100%(10HR to 300AH)
	0°C(32°F)	85%(10HR to 255AH)
	-20°C(-4°F)	60%(10HR to 180AH)
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	1350.0A(4.5CA)	
浮充 Float Charging	電壓 Voltage	2.275±0.025V 25°C(77°F)
	電流 Current	90.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	2.40±0.05V 25°C(77°F)
	電流 Current	75.00A(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) 15 years	

尺寸 Dimension: inch (mm)



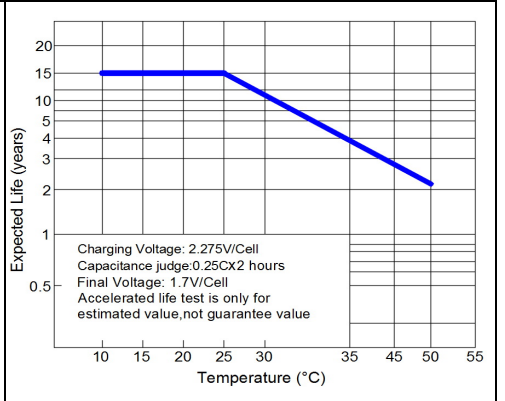
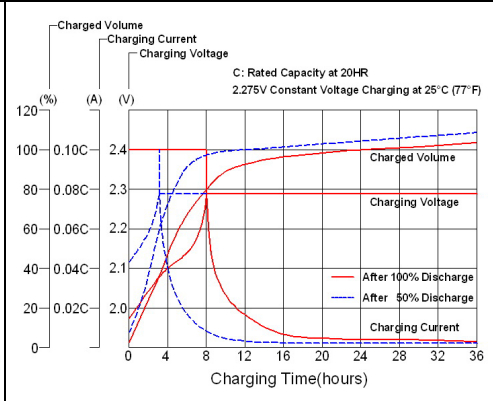
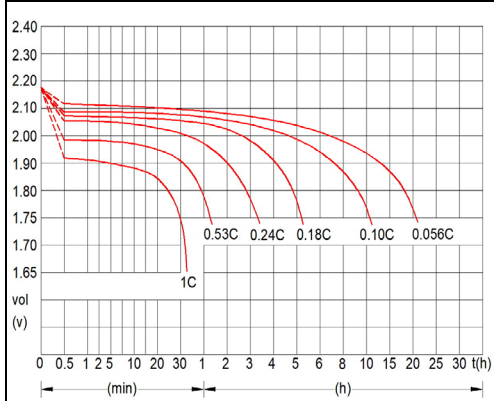
PMU2300 PROPERTIES

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

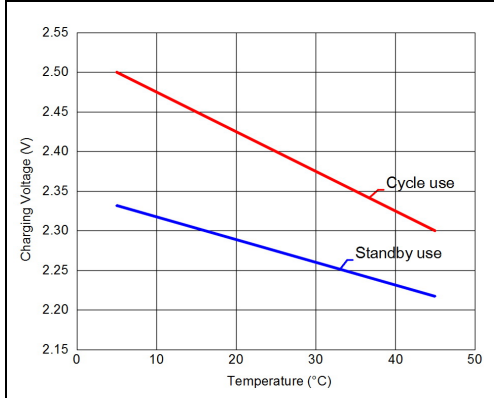
F.V.	Time	Minutes				Hours						
	Item	30	35	40	45	1	2	3	4	5	8	10
1.60	A	322.5	294.0	270.0	240.0	194.4	115.2	85.8	68.4	57.3	40.5	33.3
	W	575	537	495	442	363	220	164	131	110	78	64
1.65	A	306.9	276.0	252.0	228.0	189.3	111.0	82.2	66.0	56.7	39.6	32.7
	W	561	507	466	423	356	212	158	127	110	76	64
1.70	A	298.5	264.0	243.0	222.0	182.4	109.2	80.4	65.4	55.8	38.4	31.8
	W	549	488	454	419	344	209	155	126	108	75	62
1.75	A	258.6	252.0	228.0	210.0	168.0	105.6	79.5	64.2	54.0	37.5	31.2
	W	480	471	427	395	318	202	154	125	95	73	61
1.80	A	234.0	225.0	216.0	195.0	159.0	98.4	75.0	61.2	51.0	36.0	30.0
	W	436	421	406	368	303	190	145	119	99	70	59
1.83	A	210.0	195.0	180.0	165.0	146.4	93.0	69.6	56.4	47.4	33.0	28.2
	W	399	372	346	320	281	181	136	110	93	65	56

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> ☆廣播電視系統 Broadcast television systems ☆電信和 UPS 系統 Telecom and UPS systems ☆通信系統 Communication back-up systems ☆太陽能儲備系統 Solar storage power systems, wind power systems ☆電力系統 Power systems ☆緊急照明 Emergency lighting ☆火災安全系統 Fire and security systems 	<ul style="list-style-type: none"> ☆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% 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% ☆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. 	<ul style="list-style-type: none"> ☆正負極板是鉛鈣合金 Positive, negative's plates are all Calcium-Lead alloy. ☆塑殼是防火 ABS 或等級是 UL 94V-0 L.O.I >28 % The plastic material is fire-resistance ABS or same grade of UL 94V-0 L.O.I >28% ☆組立用螺絲採用 M8 螺絲，扭力從 10N-m 至 12N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M8 screws, torque from 10N-m to 12N-m (maximum) made of stainless steel, durable.

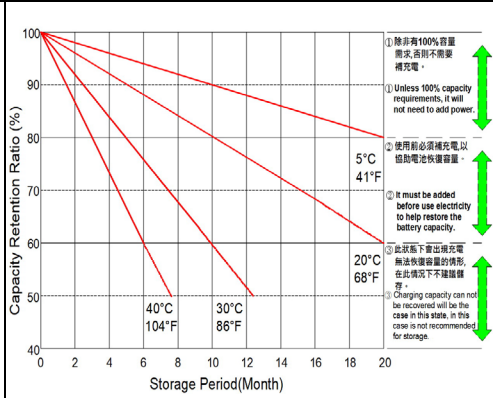
放電特性(25°C) Discharge characteristic at different rates(25°C)	定電壓充電(25°C) Charging Characteristics	浮充期待壽命 Float Service Life
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溫度與充電電壓關係 Relationship Between Temperature And Charging Voltage
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容量保持性與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



壽命循環關係 Cycle Service Life

