閥調式鉛酸蓄電池(VRLA)

PMU2120 (2V120AH)

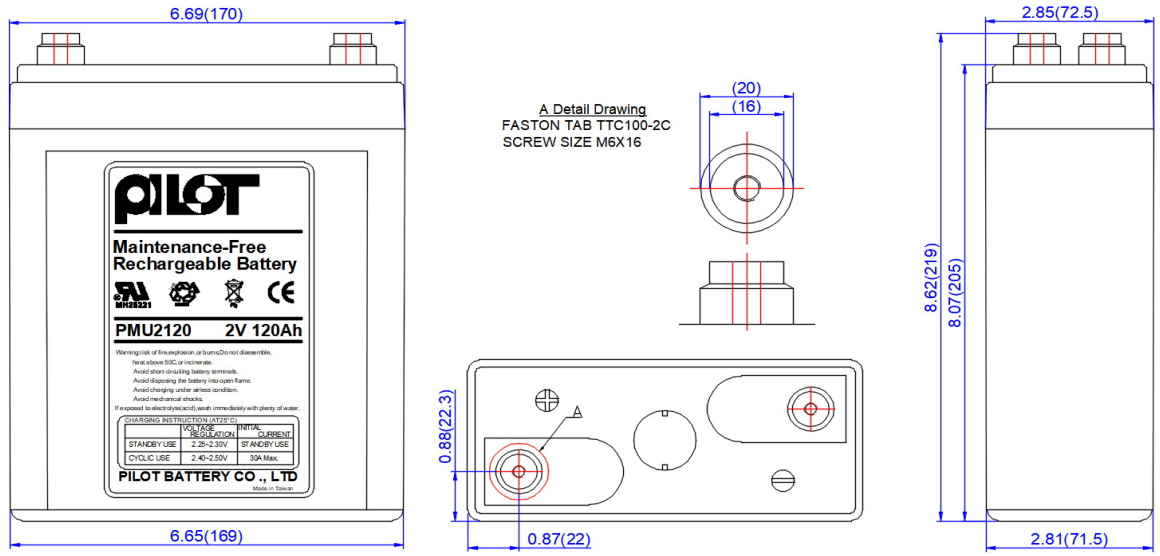
規格 Type

額定電壓 Rated Voltage	2V	
額定容量 Rated Capacity	120.0AH/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		6.4kg(14.08Pounds)
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℃(77℉)	10 小時率	10HR	of	12.0A	to	1.80V	120.0AH
	5 小時率	5HR	of	20.4A	to	1.80V	102.0AH
	1 小時率	1HR	of	63.6A	to	1.80V	63.6AH
	0.5 小時率	0.5HR	of	118.8A	to	1.80V	59.4AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25℃(77℉)						大約 Approx.0.93mΩ	
容量受溫度影響 The capacity will be effected by temperature	40℃(104℉)						105%(10HR to 126AH)	
	25℃(77℉)						100%(10HR to 120AH)	
	0℃(32℉)						85%(10HR to 102AH)	
	-20℃(-4℉)						60%(10HR to 72AH)	
自我放電 Self-discharge	180 天後不到 15%，可以在 20℃（68℉）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							780.0A(6.5CA)	
浮充 Float Charging	電壓 Voltage						2.275±0.025V 25℃(77℉)	
	電流 Current						36.00A(0.3CA)	
循環充電 Cyclic Charging	電壓 Voltage						2.45±0.05V 25℃(77℉)	
	電流 Current						30.00A(0.25CA)	
操作溫度 Operation Temperature Range	充電 Charge/放置 Storage:-15~40℃(5~104℉)，放電 Discharge:-20~50℃(-4~122℉)							
期待壽命 Expected Life	25℃(77℉) 8~10 years							

尺寸 Dimension: inch (mm)



PMU2120 PROPERTIES

Amperes and watts per battery at 25℃ (77℉)

F.V.	Time	Minutes							Hours						
	Item	15	20	25	30	35	40	45	1	2	3	4	5	8	10
1.60	A	217.2	190.8	159.6	144.0	129.6	120.0	108.0	77.8	46.1	34.3	27.4	22.9	16.2	13.3
	W	380.1	339.2	288.1	261.2	236.6	220.0	198.8	145.1	88.0	65.7	52.4	44.0	31.3	25.8
1.65	A	204.0	177.6	151.2	136.8	122.4	114.0	103.2	74.2	44.4	32.9	26.4	22.0	15.8	13.1
	W	363.0	319.7	275.4	250.1	225.0	210.6	191.5	139.4	84.9	63.3	51.0	42.5	30.6	25.4
1.70	A	193.2	166.8	145.2	130.8	117.6	109.2	100.8	73.0	43.7	32.2	26.2	21.5	15.4	12.7
	W	349.3	303.7	266.2	240.7	217.2	203.9	190.2	137.7	83.7	61.9	50.4	41.5	29.9	24.8
1.75	A	178.8	158.4	138.0	126.0	112.8	103.2	96.0	67.2	41.3	30.5	24.7	22.0	15.0	12.5
	W	324.8	290.3	255.2	234.2	210.9	193.4	180.3	127.4	79.5	59.0	48.0	38.5	29.3	24.5
1.80	A	163.2	148.8	130.8	118.8	108.0	98.4	93.6	63.6	39.4	29.3	24.5	20.4	14.4	12.0
	W	298.3	274.2	243.0	221.4	202.0	184.9	176.6	121.2	75.9	56.8	47.5	39.5	28.0	23.6
1.83	A	134.4	121.2	111.6	102.0	93.6	84.0	80.4	58.6	37.2	27.8	22.6	19.0	12.5	11.3
	W	252.7	228.8	211.4	194.0	178.7	161.7	156.0	112.6	72.6	54.3	44.2	37.2	24.5	22.4

用途 Application

☆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

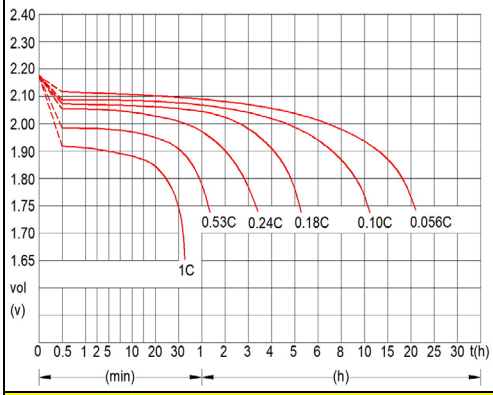
密閉結構 Seal construction

☆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%
☆極柱採用鉛銻合金或合金銅鍍鉛材質
The polarities adopted Antimony-Lead alloy or copper alloy covered with Lead material.

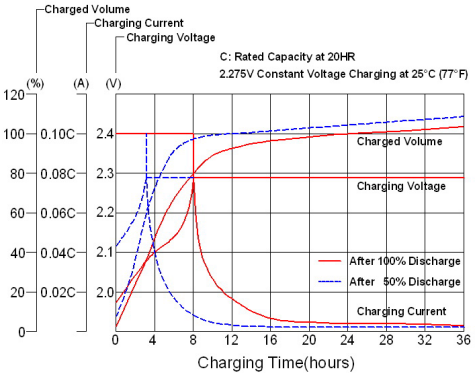
穩定性 Stabilities

☆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 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.

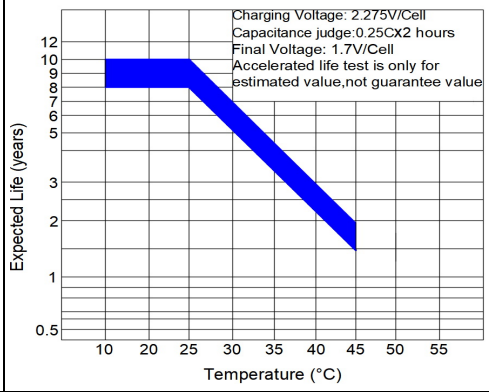
放電特性(25℃) Discharge characteristic at different rates(25℃)



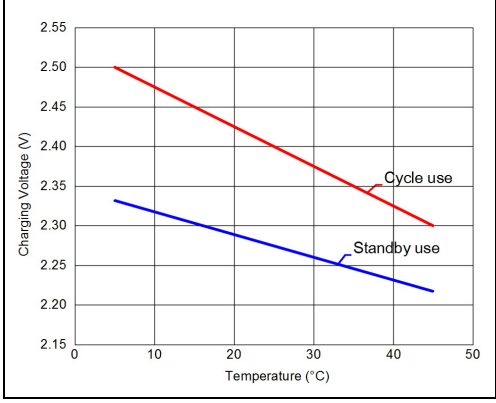
定電壓充電(25℃) Charging Characteristics



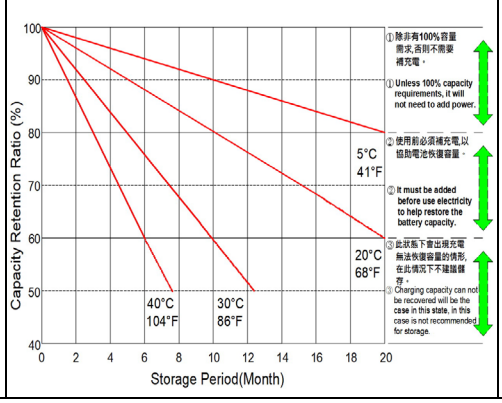
浮充期待壽命 Float Service Life



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