

# 閥調式鉛酸蓄電池(VRLA)

## PL200-12HB (12V200AH)

### 規格 Type

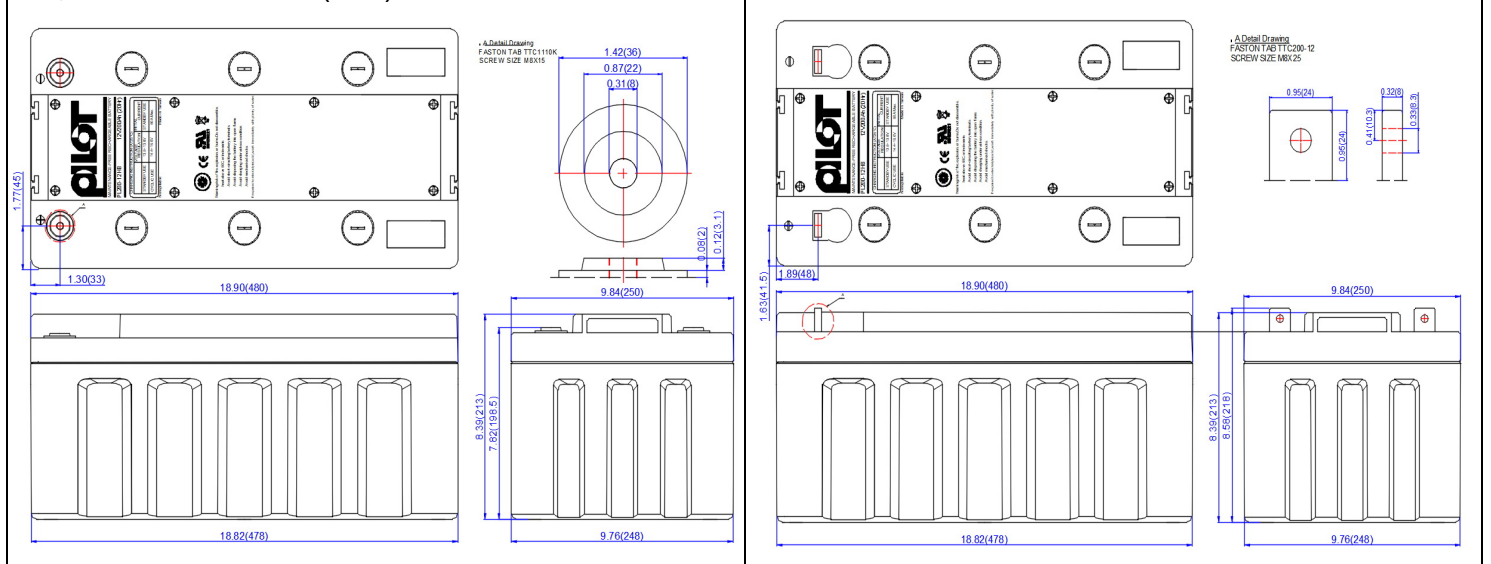
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	200.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	480±1mm(18.90in)
	寬度 Width	250±1mm(9.84in)
	高度 Height	213±1mm(8.39in)
	總高度 Total Height	213±1mm(8.39in)
重量 Weight	61.8kg(135.96Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、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	凝膠型 Gel Type



### 特性 Properties

容量 Capacity 25°C(77°F)	20 小時率 20HR of 10.0A to 10.5V	200.0AH
	5 小時率 5HR of 39.5A to 10.5V	197.5AH
	1 小時率 1HR of 130.0A to 10.5V	130.0AH
	0.5 小時率 0.5HR of 210.0A to 10.5V	105.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.2.90mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 210AH)
	25°C(77°F)	100%(20HR to 200AH)
	0°C(32°F)	85%(20HR to 170AH)
	-20°C(-4°F)	60%(20HR to 120AH)
自我放電 Self-discharge	180 天後不到 15%，可以在 20°C (68°F) 下保存 8 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 8 months; it needs to be fully charged before use.	
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec	1300.0A(6.5CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	60.0A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	50.0A(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)



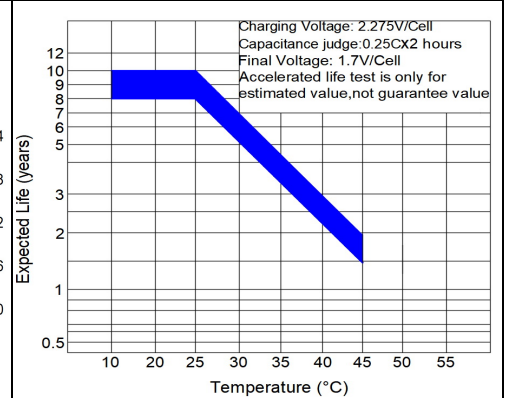
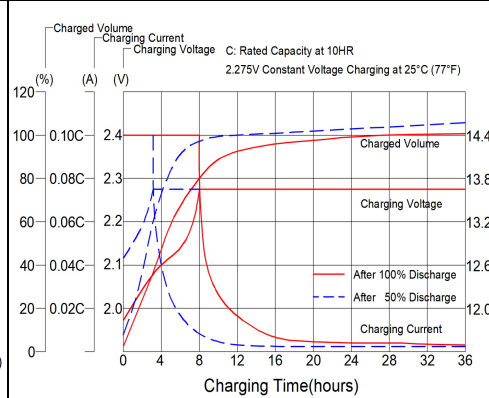
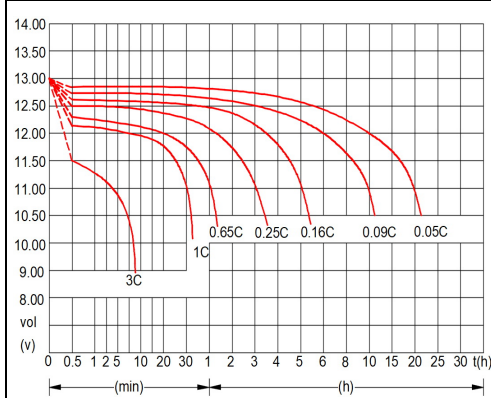
# PL200-12HB PROPERTIES

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	20
1.60 (9.60)	A	604.0	446.0	362.0	318.0	266.0	238.0	216.0	200.0	182.0	140.0	80.0	56.0	44.0	35.6	23.3	20.4	11.2	
	W	6342	4683	3982	3498	3059	2737	2484	2300	2093	1610	936	655	515	427	279	245	134	
1.65 (9.90)	A	554.0	412.0	340.0	296.0	252.0	224.0	204.0	188.0	172.0	136.0	79.0	55.3	43.0	35.2	22.8	20.0	11.0	
	W	5817	4326	3740	3256	2898	2576	2346	2162	1978	1564	924	647	503	422	273	240	132	
1.70 (10.20)	A	532.0	382.0	320.0	278.0	240.0	216.0	196.0	178.0	168.0	132.0	77.0	54.0	41.5	34.4	22.3	18.8	10.4	
	W	5586	4011	3520	3058	2760	2484	2254	2047	1932	1518	901	632	486	413	267	226	125	
1.75 (10.50)	A	504.0	350.0	298.0	264.0	230.0	210.0	188.0	172.0	160.0	130.0	73.0	50.7	39.5	32.4	21.8	18.4	10.0	
	W	5292	3675	3278	2904	2645	2415	2162	1978	1840	1495	854	593	462	389	261	220.8	120	
1.80 (10.80)	A	456.0	318.0	272.0	242.0	218.0	196.0	180.0	164.0	156.0	126.0	70.0	50.0	38.5	31.6	21.0	17.6	9.8	
	W	4788	3339	2992	2662	2507	2254	2070	1886	1794	1449	819	585	450	379	252	211.2	118	
1.83 (10.98)	A	420.0	252.0	234.0	202.0	186.0	174.0	156.0	140.0	134.0	120.0	69.0	47.3	36.5	29.6	20.5	16.4	9.2	
	W	4410	2646	2574	2222	2139	2001	1794	1610	1541	1380	807	554	427	355	246	196.8	110	

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> <li>☆UPS 緊急備用電源 UPS emergency backup power</li> <li>☆通信系統 Communication back-up systems</li> <li>☆電力系統 Power systems</li> <li>☆太陽能儲備系統 Solar storage power systems</li> <li>☆緊急照明 Emergency lighting</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%</li> <li>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 M8 螺絲，扭力從 7N-m 至 10N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M8 screws, torque from 7N-m to 10N-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	容量保持特性 Capacity Retention Characteristics	壽命循環關係 Cycle Service Life
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