

閥調式鉛酸蓄電池(VRLA)

PL150-12HB (12V150AH)

規格 Type

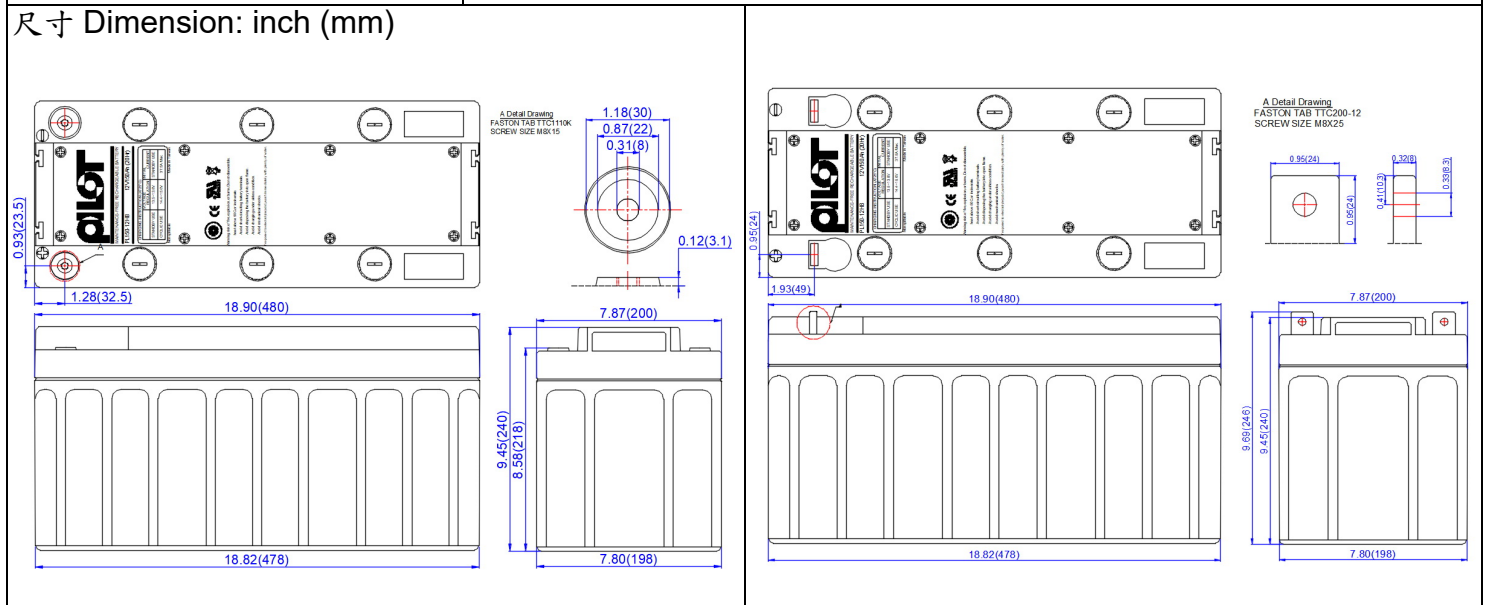
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	150.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M8 Bolt)
尺寸 Dimension	長度 Length	480±1mm(18.90in)
	寬度 Width	200±1mm(7.87in)
	高度 Height	240±1mm(9.45in)
	總高度 Total Height	240±1mm(9.45in)
重量 Weight		45.6kg(100.32Pounds)
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、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 7.5A to 10.5V	150.0AH
	5 小時率 5HR of 24.3A to 10.5V	121.5AH
	1 小時率 1HR of 97.5A to 10.5V	97.5AH
	0.5 小時率 0.5HR of 158.0A to 10.5V	79.0AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C(77°F)	大約 Approx.3.2mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C(104°F)	105%(20HR to 157AH)
	25°C(77°F)	100%(20HR to 150AH)
	0°C(32°F)	85%(20HR to 127AH)
	-20°C(-4°F)	60%(20HR to 90AH)
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	975.0A(6.5CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C(77°F)
	電流 Current	45.00A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C(77°F)
	電流 Current	37.50A(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)



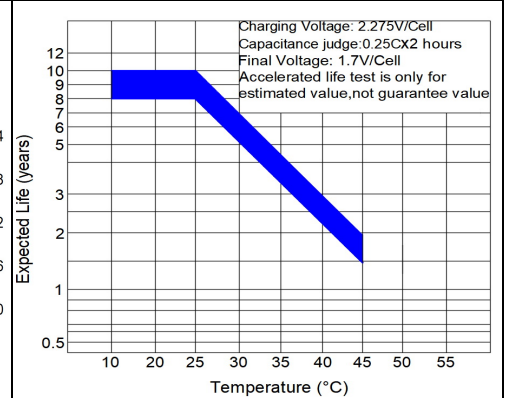
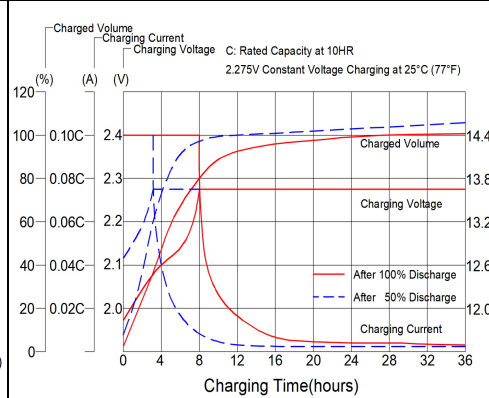
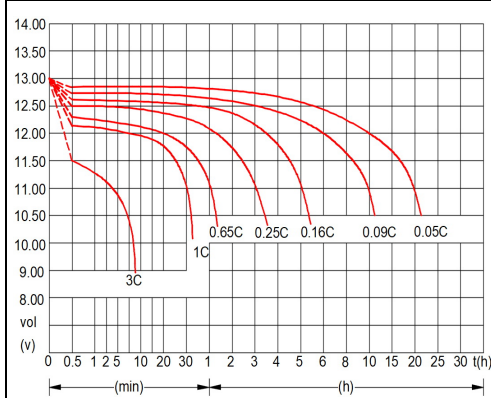
PL150-12HB PROPERTIES

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	453	335	272	239	200	179	162	150	137	105.0	60.0	42.0	33.0	26.7	17.4	15.3	8.4	
	W	4757	3512	2987	2624	2294	2053	1863	1725	1570	1208	702	491	386	320	209	184	101	
1.65 (9.90)	A	416	309	255	222	189	168	153	141	129	102.0	59.3	41.5	32.3	26.4	17.1	15.0	8.3	
	W	4363	3245	2805	2442	2174	1932	1760	1622	1484	1173	693	486	377	317	205	180	99	
1.70 (10.20)	A	399	287	240	209	180	162	147	134	126	99.0	57.8	40.5	31.1	25.8	16.7	14.1	7.8	
	W	4190	3008	2640	2294	2070	1863	1691	1535	1449	1139	676	474	364	310	200	169	94	
1.75 (10.50)	A	378	263	224	198	173	158	141	129	120	97.5	54.8	38.0	29.6	24.3	16.3	13.5	7.5	
	W	3969	2756	2459	2178	1984	1811	1622	1484	1380	1121	641	445	347	292	196	162	90	
1.80 (10.80)	A	342	239	204	182	164	147	135	123	117	94.5	52.5	37.5	28.9	23.7	15.8	13.2	7.4	
	W	3591	2504	2244	1997	1880	1691	1553	1415	1346	1087	614	439	338	284	189	158	88	
1.83 (10.98)	A	315	189	176	152	140	131	117	105	101	90.0	51.8	35.5	27.4	22.2	15.4	12.3	6.9	
	W	3308	1985	1931	1667	1604	1501	1346	1208	1156	1035	605	415	320	266	185	148	83	

用途 Application	密封結構 Seal construction	穩定性 Stabilities
<ul style="list-style-type: none"> ☆UPS 緊急備用電源 UPS emergency backup power ☆通信系統 Communication back-up systems ☆電力系統 Power systems ☆太陽能儲備系統 Solar storage power systems ☆緊急照明 Emergency lighting 	<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 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.

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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