

閥調式鉛酸蓄電池(VRLA)

PL45-12 (12V48AH)

規格 Type

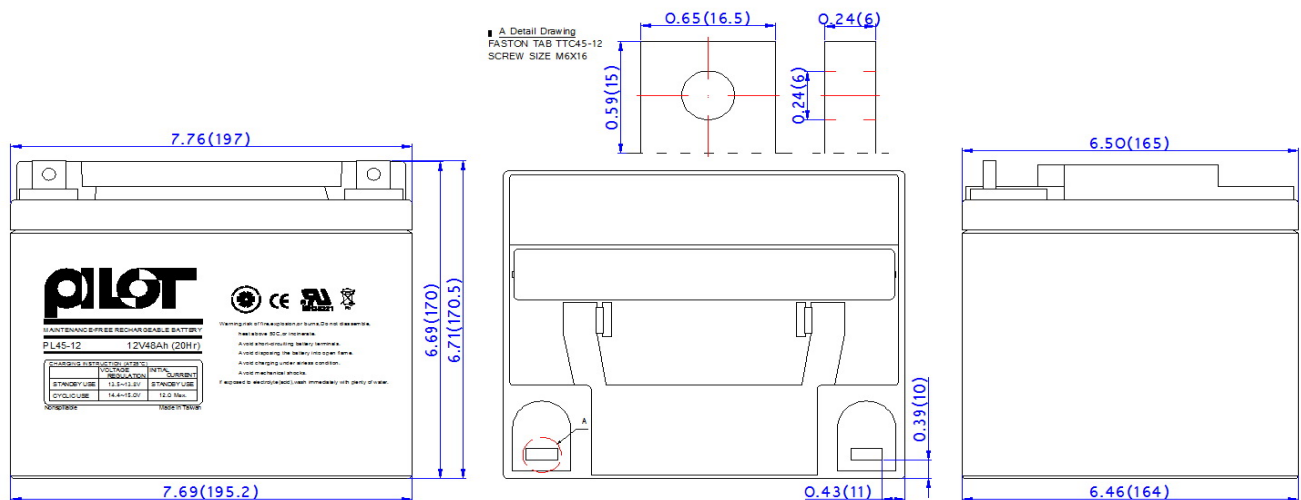
額定電壓 Rated Voltage	12V	
額定容量 Rated Capacity	48.0AH/20Hr/10.5V	端子 Terminal: 螺栓(M6 Bolt)
尺寸 Dimension	長度 Length	197±1mm(7.76in)
	寬度 Width	165±1mm(6.50in)
	高度 Height	170.5±1mm(6.71in)
	總高度 Total Height	170.5±1mm(6.71in)
重量 Weight	14.1kg(31.02Pounds)	
電槽材質 Container Material	ABS, UL 94V-0 or UL 94-HB 抗酸、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)	20 小時率 20HR of 2.40A to 10.5V	48.0AH
	5 小時率 5HR of 7.80A to 10.5V	39.0AH
	1 小時率 1HR of 31.20A to 10.5V	31.2AH
	0.5 小時率 0.5HR of 50.40A to 10.5V	25.2AH
內阻 Internal Resistance (at 1KHz)	完全充電 Full Charge at 25°C (77°F)	大約 Approx.6.5mΩ
容量受溫度影響 The capacity will be effected by temperature	40°C (104°F)	105%(20HR to 50.4AH)
	25°C (77°F)	100%(20HR to 48.0AH)
	0°C (32°F)	85%(20HR to 40.8AH)
	-20°C (-4°F)	60%(20HR to 28.8AH)
自我放電 Self-discharge	180 天後不到 20%，可以在 20°C (68°F) 下保存 6 個月；使用前需要完全充電。 Less than 20% after 180 days, it can be stored at 20°C (68°F) for 6 months; it needs to be fully charged before use.	
最大放電電流 5 秒 Maximum Discharge Current at 5 Sec	480.0A(10CA)	
浮充 Float Charging	電壓 Voltage	13.65±0.15V 25°C (77°F)
	電流 Current	14.40A(0.3CA)
循環充電 Cyclic Charging	電壓 Voltage	14.70±0.30V 25°C (77°F)
	電流 Current	12.00A(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) 3~5 years	

尺寸 Dimension: inch (mm)



PL45-12 PROPERTIES

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

F.V.	Time	Minutes										Hours							
	Item	1	5	10	15	20	25	30	35	40	45	1	2	3	4	5	8	10	20
1.60 (9.60)	A	228.5	145.0	107.0	86.9	76.3	63.8	57.1	51.8	48.0	43.7	33.6	19.2	13.4	10.6	8.5	5.6	4.9	2.7
	W	2399	1522	1124	956	840	734	657	596	552	502	386	225	157	124	103	67	59	32
1.65 (9.90)	A	201.1	133.0	98.9	81.6	71.0	60.5	53.8	49.0	45.1	41.3	32.6	19.0	13.3	10.3	8.4	5.5	4.8	2.6
	W	2112	1396	1038	898	781	696	618	563	519	475	375	222	155	121	101	66	58	32
1.70 (10.20)	A	182.4	127.7	91.7	76.8	66.7	57.6	51.8	47.0	42.7	40.3	31.7	18.5	13.0	10.0	8.3	5.3	4.5	2.5
	W	1915	1341	963	845	734	662	596	541	491	464	364	216	152	117	99	64	54	30
1.75 (10.50)	A	159.8	121.0	84.0	71.5	63.4	55.2	50.4	45.1	41.3	38.4	31.2	17.5	12.2	9.5	7.8	5.2	4.3	2.4
	W	1678	1270	882	787	697	635	580	519	475	442	359	205	142	111	93	63	52	29
1.80 (10.80)	A	141.6	109.4	76.3	65.3	58.1	52.3	47.0	43.2	39.4	37.4	30.2	16.8	12.0	9.2	7.6	5.0	4.2	2.4
	W	1487	1149	801	718	639	602	541	497	453	431	348	197	140	108	91	60	51	28
1.83 (10.98)	A	132.0	100.8	60.5	56.2	48.5	44.6	41.8	37.4	33.6	32.2	28.8	16.6	11.4	8.8	7.1	4.9	3.9	2.2
	W	1386	1058	635	618	533	513	480	431	386	370	331	194	133	102	85	59	47	26

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 ☆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 ☆緊急照明器材 Emergency lighting equipment ☆防火、保全系統 Fire, 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 M6 螺絲，扭力從 5N-m 至 8N-m(最大)採用不銹鋼材質，堅固耐用。 Assembling screws using M6 screws, torque from 5N-m to 8N-m (maximum) made of stainless steel, durable.

