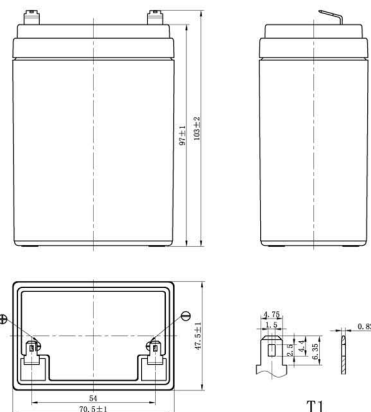


PT 12-2.6



Layout



Specifications

Rated Voltage	12V	
Nominal Capacity	2.6Ah	(C ₂₀ , 1.80V/cell)
Dimension	Length	70.5±1mm (2.78 inches)
	Width	47.5±1mm (1.87 inches)
	Container Height	97±1mm (3.82 inches)
	Total Height	103±2mm (4.05 inches)
Approx Weight	0.80 Kg	
Terminal	F2	
Container Material	ABS	
Rated Capacity (25°C)	2.60 Ah	(20hr, 0.130A, 1.80V/cell)
	2.40 Ah	(10hr, 0.240A, 1.80V/cell)
	2.10 Ah	(5hr, 0.420A, 1.75V/cell)
	1.95 Ah	(3hr, 0.650A, 1.75V/cell)
	1.59 Ah	(1hr, 1.59A, 1.60V/cell)
Max. Discharge Current	33A (5s)	
Internal Resistance (25°C)	Approx 95mΩ	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	-20 ~ 40°C (-4 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 0.66A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Standby Use	
Effect of temp. to Capacity	Initial Charging Current less than 0.66A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Pattern PT series battery may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

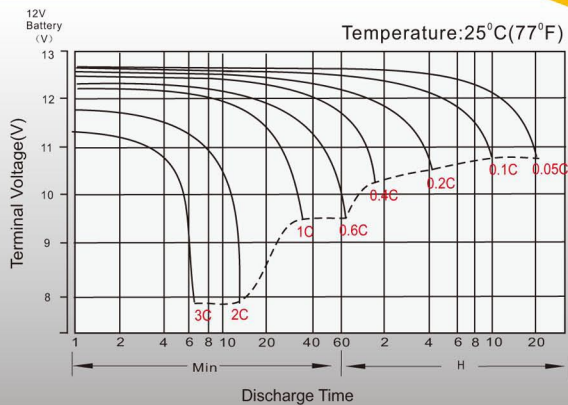
Constant Current Discharge (Amperes) at 25 °C (77°F)

15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	V/cell
2.86	2.47	1.98	1.51	1.22	0.78	0.60	0.49	0.39	0.34	0.29	0.23	0.12	1.85
3.64	2.94	2.31	1.64	1.38	0.83	0.62	0.52	0.40	0.36	0.32	0.24	0.13	1.80
3.90	3.17	2.42	1.74	1.43	0.86	0.65	0.55	0.42	0.38	0.34	0.25	0.14	1.75
4.16	3.33	2.52	1.85	1.48	0.88	0.68	0.57	0.44	0.39	0.38	0.26	0.14	1.70
4.42	3.51	2.60	1.92	1.53	0.94	0.70	0.59	0.47	0.40	0.39	0.27	0.15	1.65
4.68	3.64	2.73	2.00	1.59	0.99	0.73	0.61	0.49	0.43	0.42	0.28	0.15	1.60

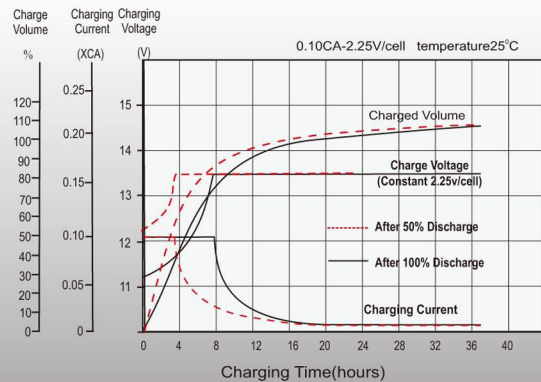
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h	V/cell
5.29	4.57	3.66	2.79	2.26	1.44	1.11	0.91	0.72	0.63	0.53	0.42	0.23	1.85
6.55	5.29	4.17	2.95	2.48	1.50	1.12	0.94	0.73	0.66	0.58	0.44	0.23	1.80
6.83	5.55	4.23	3.05	2.50	1.50	1.14	0.96	0.73	0.66	0.59	0.44	0.24	1.75
7.07	5.66	4.29	3.14	2.52	1.50	1.15	0.96	0.75	0.66	0.64	0.44	0.24	1.70
7.29	5.79	4.29	3.17	2.53	1.54	1.16	0.97	0.77	0.66	0.64	0.44	0.24	1.65
7.49	5.82	4.37	3.20	2.54	1.58	1.16	0.98	0.79	0.69	0.67	0.44	0.24	1.60

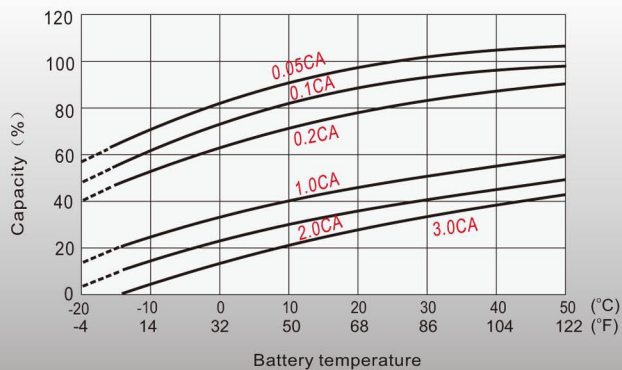
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life

