

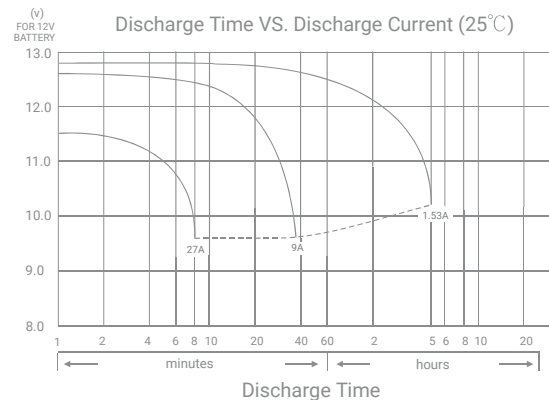
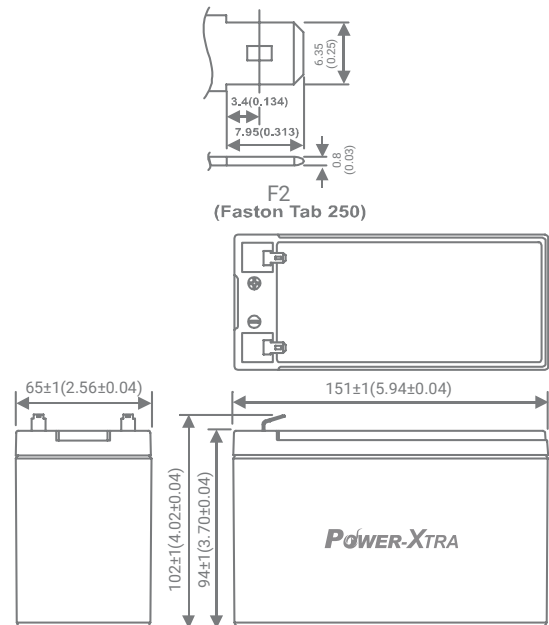
PX12-36W 12Volt 36W

Specifications

Nominal Voltage(V)	12V
Nominal Capacity	
15 min rate (216W to 9.60V)	54Wh
5 hour rate (1.53A to 10.20V)	7.65Ah
1 C (9A to 9.60V)	5.7Ah
3 C (27A to 9.60V)	3.6Ah
Weight	Approx. 2.7kg(5.94Lbs.)
Internal Resistance (at 1KHz)	Approx. 14 mΩ
Maximum Discharge Current for 5 seconds:	135A
Charging Methods at 25°C(77°F)	
Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/ °C/cell	
Maximum Charging Current	2.7A
Standby use:	
Float Charging Voltage	13.5 to 13.8 V
Coefficient -3.0mV/ °C/cell	
Operating Temperature Range	
Charge	-15°C(5°F) to 40 °C(104°F)
Discharge	-15°C(5°F) to 50 °C(122°F)
Storage	-15°C(5°F) to 40 °C(104°F)
Charge Retention (shelf life) at 20°C(68°F)	
1 month	92%
3 month	90%
6 month	80%
Case Material	ABS UL94 HB Option: Flammability resistance of (UL94 V-0)
Terminal	F2 (Faston Tab 250)

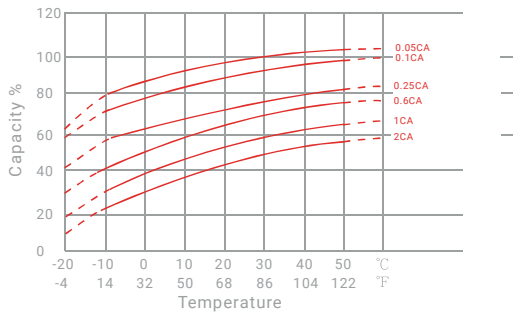
Dimensions

mm(inch)

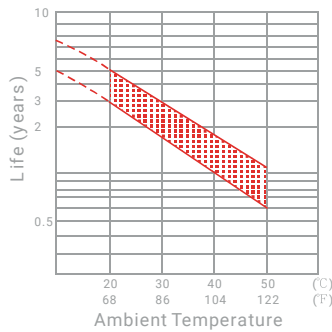


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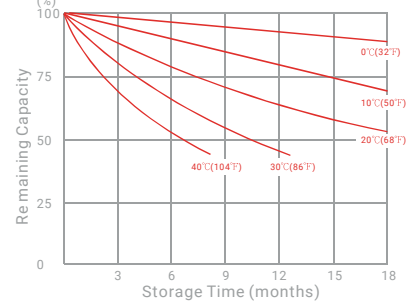
Effect of Temperature on Capacity 25°C(77°F)



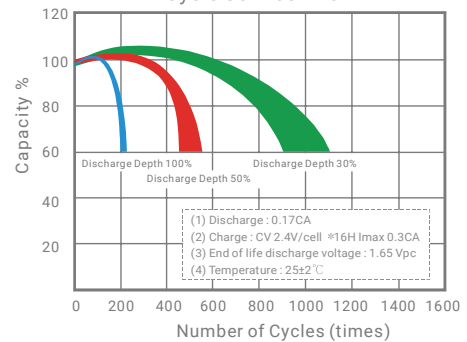
Trickle (or float) Service Life



Capacity Retention Characteristic



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15	min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30	min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60	min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120	min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180	min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240	min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300	min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600	min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200	min	0.853	0.882	0.902	0.907	0.910	0.913	0.918

- Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X < 60min(+8%~-8%), X ≥ 60min(+5%~-5%)