

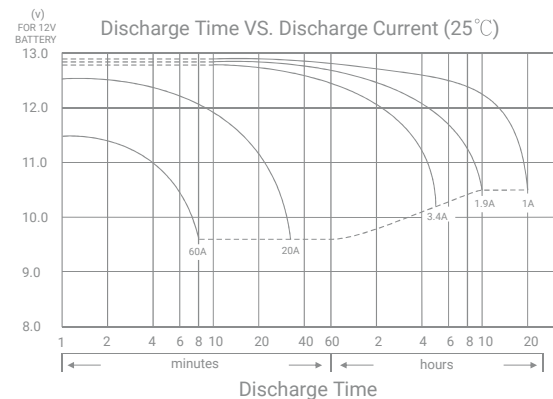
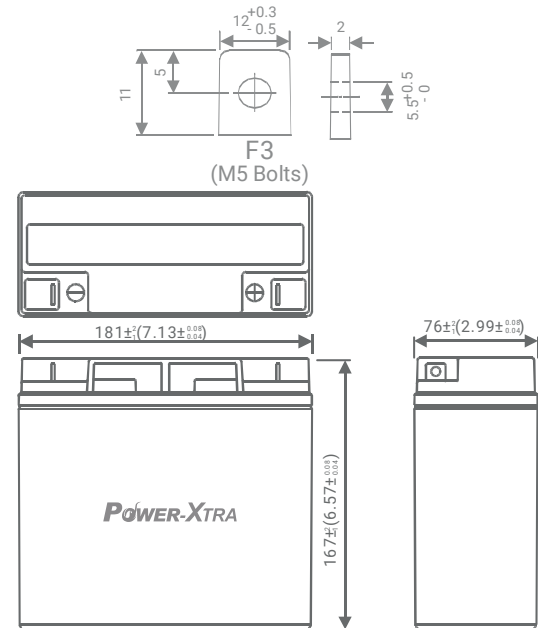
PX20-12IE 12Volt 20Ah

Specifications

Nominal Voltage(V)	12V		
Nominal Capacity			
20 hour rate	(1A to 10.50V)		20Ah
10 hour rate	(1.9A to 10.50V)		19Ah
5 hour rate	(3.4A to 10.20V)		17Ah
1 C	(20A to 9.60V)		11.33Ah
3 C	(60A to 9.60V)		8Ah
Weight	Approx. 5.95kg(13.09Lbs.)		
Internal Resistance (at 1KHz)	Approx. 10 mΩ		
Maximum Discharge Current for 5 seconds:	300A		
Charging Methods at 25°C(77°F)			
Cycle use:			
Charging Voltage	14.4 to 15.0V		
Coefficient	-5.0mV/ °C/cell		
Maximum Charging Current	6A		
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	F3		

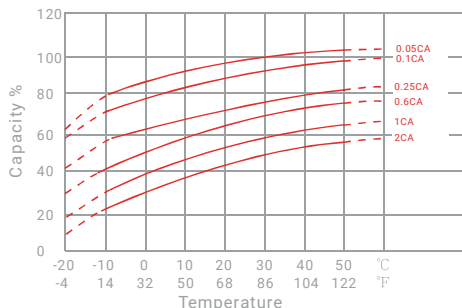
Dimensions

mm(inch)

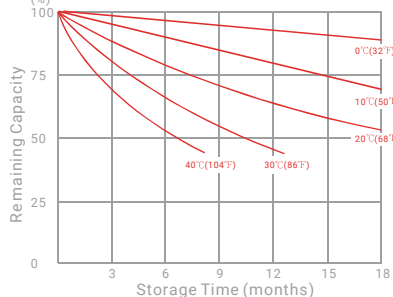


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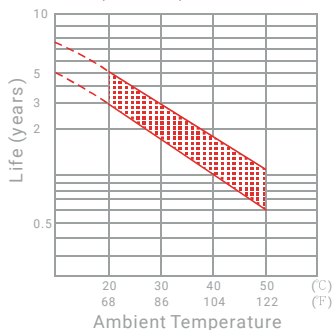
Effect of Temperature on Capacity 25°C(77°F)



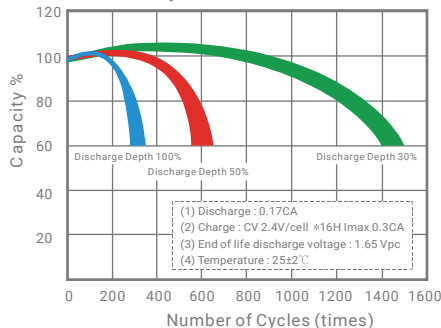
Capacity Retention Characteristic



Trickle (or float) Service Life



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	108	125	136	143	145	147	149
10	min	77.1	87.0	94.3	98.7	99.8	101	102
15	min	64.5	72.2	78.8	81.8	82.6	83.5	84.4
30	min	34.8	37.2	39.8	41.3	41.8	42.3	42.7
60	min	22.2	23.2	24.0	24.7	24.8	25.2	25.5
120	min	12.2	12.7	13.0	13.5	13.6	13.7	13.8
180	min	9.53	9.88	10.1	10.3	10.4	10.5	10.6
240	min	7.63	7.93	8.12	8.27	8.32	8.38	8.46
300	min	6.65	6.88	7.00	7.10	7.13	7.18	7.24
600	min	3.87	3.98	4.07	4.13	4.15	4.19	4.22
1200	min	2.05	2.12	2.17	2.20	2.22	2.23	2.25

- 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	68.2	73.9	77.5	80.7	82.0	83.4	85.8
10	min	45.8	48.9	51.4	53.5	54.4	55.4	57.0
15	min	34.7	37.3	39.0	40.5	41.1	41.7	42.6
30	min	18.5	20.0	21.1	22.0	22.2	22.6	23.2
60	min	11.1	11.7	12.2	12.6	12.7	12.9	13.1
120	min	6.25	6.47	6.61	6.73	6.77	6.82	6.89
180	min	4.73	4.90	5.00	5.08	5.11	5.15	5.21
240	min	3.88	3.97	4.04	4.09	4.11	4.14	4.17
300	min	3.41	3.48	3.53	3.57	3.58	3.60	3.62
600	min	1.97	2.00	2.02	2.04	2.05	2.06	2.07
1200	min	1.00	1.03	1.05	1.07	1.08	1.09	1.10

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%)