

**UB121350**

Maintenance-Free

Specification

Nominal Voltage		12 volts	
Nominal Capacity		77° F (25° C)	
20-hr.	(6.75A)	135 Ah	
10-hr.	(12.50A)	125 Ah	
5-hr.	(23.00A)	115 Ah	
1-hr.	(81.00A)	81 Ah	
Approximate Weight		87.08 lbs (39.5 kg)	
Internal Resistance (approx.)		4mΩ	
Shelf Life (% of normal capacity at 77° F (25° C))			
3 Months		6 Months	12 Months
91%		82%	64%
Temperature Dependency of Capacity		(20 hour rate)	
104° F	77° F	32° F	5° F
102%	100%	85%	65%



Charge Method (Constant Voltage)

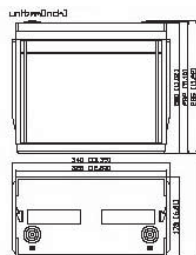
Cycle Use (Repeating Use)

Initial Current	40.5 A or smaller
Control Voltage	14.5-14.9 V

Float Use

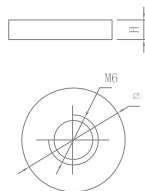
Control Voltage	13.6-13.8 V
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Physical Dimensions: in (mm)



L: 13.39in (340.1 mm)
W: 6.81in (173.0 mm)
H: 11.10in (281.9 mm)
TH: 11.22in (285.0 mm)
 Tolerances are +/- 0.04 in. (+/- 1mm)
 and +/- 0.08 in. (+/- 2mm) for height
 dimensions. All data subject to
 change without notice.

Terminals



I Series (Internal Thread Terminal)

Dimension Type	Ø	H
I6	16	4

Constant Current Discharge Characteristics Unit:A (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	496	362	256	154	80	49	35	27	22	15	14	8
10.20V	439	329	228	146	76	45	34	26	22	15	13	7
10.50V	423	313	215	142	73	44	33	26	22	15	13	7
10.80V	406	297	203	138	69	43	32	25	21	15	13	7
11.10V	390	280	187	134	69	41	31	24	20	14	13	7

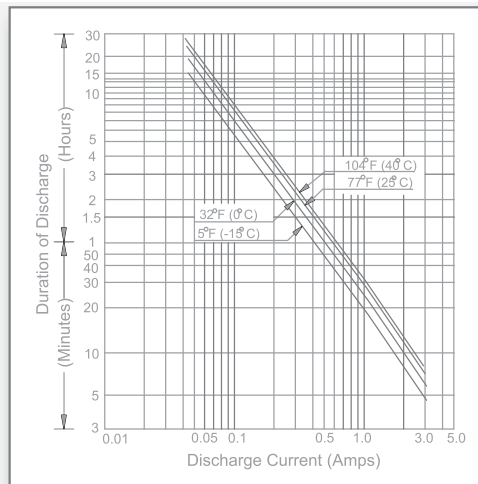
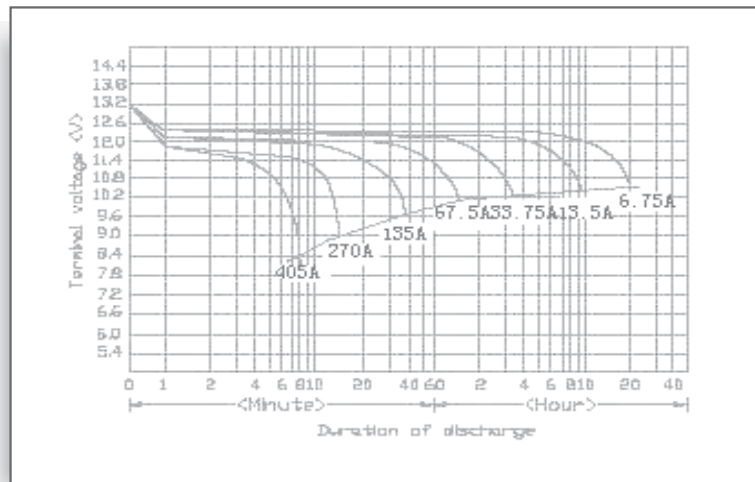
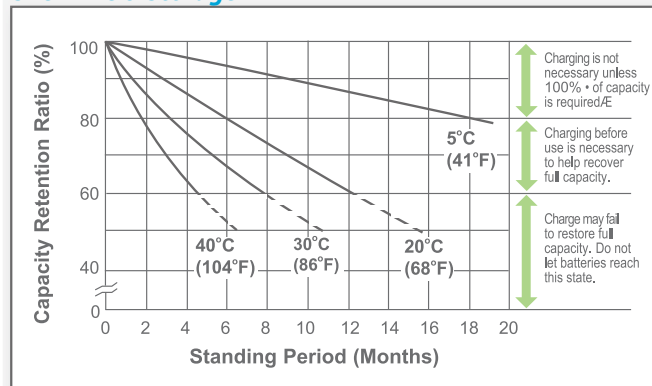
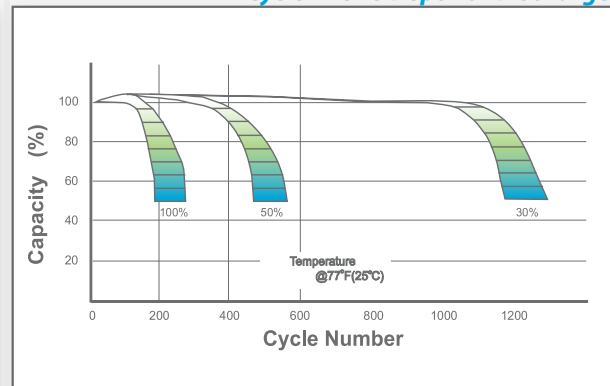
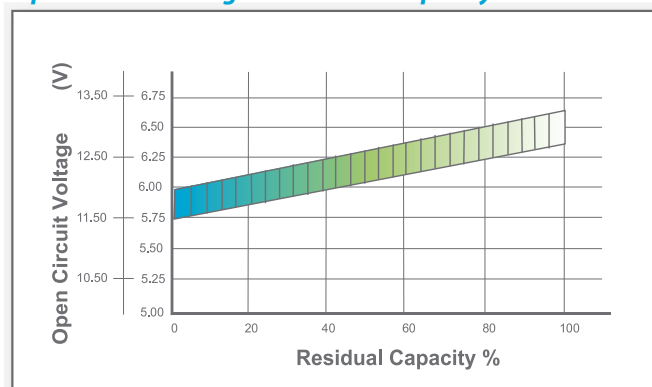
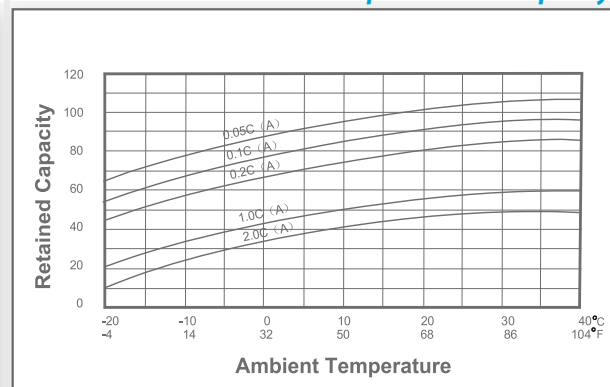
Constant Power Discharge Characteristics Unit:W (25°C, 77°F)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	5270	3844	2706	1637	930	544	398	309	256	179	163	88
10.20V	4851	3661	2531	1621	878	520	390	305	252	175	158	86
10.50V	4774	3559	2434	1613	849	508	378	297	248	175	158	85
10.80V	4713	3466	2340	1609	825	496	370	293	244	171	154	84
11.10V	4628	3352	2235	1597	813	496	366	288	244	171	150	82

**ISO 9001 : 2008**

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Discharge Time vs. Discharge Current**Discharge Characteristics****Shelf Life & Storage****Cycle Life vs Depth of Discharge****Open Circuit Voltage vs Residual Capacity****Effect of Temperature on Capacity****Charge Current & Final Discharge Voltage**

Application	Charge Voltage(V/Cell)			Max.Charge Current	Final Discharge Voltage V/Cell	1.75	1.70	1.60	1.30
	Temperature	Set Point	Allowable Range						
Cycle Use	25°C (77°F)	2.45	2.40~2.50	0.30C	Discharge Current(A)	0.2C>(A)	0.2C<(A)<0.5C	0.5C<(A)<1.0C	(A)>1.0C
Standby	25°C (77°F)	2.325	2.30~2.35						



ISO 9001: 2008

**POWERSTRIDE BATTERY**