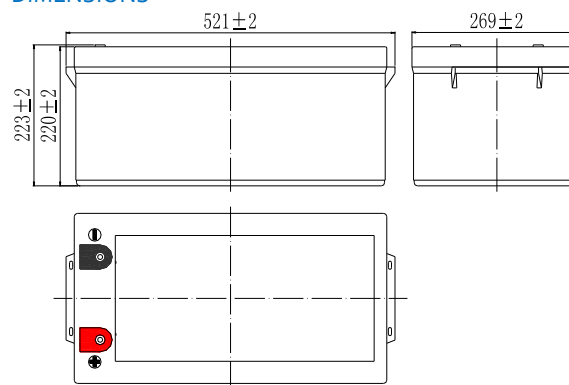


BW 8D DC (12V250Ah)

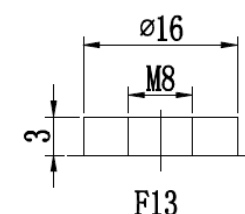
SPECIFICATIONS

Nominal Voltage		12 V	
Capacity (25℃)	20HR	250 Ah	
	5HR	220 Ah	
	1HR	115 Ah	
Dimension	Length	521±2mm (20.51inch)	
	Width	269±2mm (10.59inch)	
	Height	220±2mm (8.66inch)	
	Total Height	223±2mm (8.78inch)	
Approx. Weight		71kg (156.5lbs)±4%	
Terminal type		M8	
Internal resistance (Fully charged, 25℃)		Approx. 2.6m Ω	
Capacity affected by temperature (20HR)	40℃	102%	
	25℃	100%	
	0℃	85%	
	-15℃	65%	
Self-discharge (25℃)	3 month	Remaining Capacity: 91%	
	6 month	Remaining Capacity: 82%	
	12 month	Remaining Capacity: 65%	
Nominal operating temperature		25℃±3℃(77°F±5°F)	
Operating temperature range	Discharge	-15℃～50℃(5°F～122°F)	
	Charge	-10℃～50℃(14°F～122°F)	
	Storage	-20℃～50℃(-4°F～122°F)	
Float charging voltage(25℃)		13.50 to 13.80V Temperature compensation: -18mV/℃	
Cyclic charging voltage(25℃)		14.50 to 15.00V Temperature compensation: -30mV/℃	
Maximum charging current		75A	
Maximum discharge current		1800 A(5 sec.)	
Designed floating life(20℃)		10 years	
Component	Positive plate	Negative plate	Container
Raw material	Lead dioxide	Lead	ABS

DIMENSIONS



TERMINAL



CONSTRUCTION

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25°C)

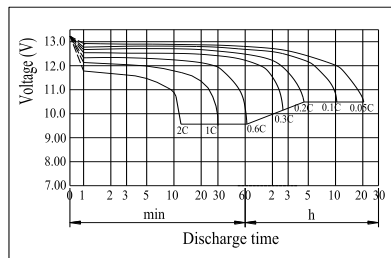
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	545	420	251	155	91.4	65.0	52.5	44.9	30.9	25.5	13.5
9.90V	529	410	246	152	90.8	64.6	52.2	44.6	30.7	25.4	13.5
10.2V	507	395	239	148	90.0	64.2	51.9	44.3	30.5	25.3	13.4
10.5V	485	381	233	145	88.7	63.8	51.5	44.0	30.3	25.2	13.3
10.8V	458	361	224	141	86.4	61.8	50.0	42.7	29.3	25.0	13.3

CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT, 25°C)

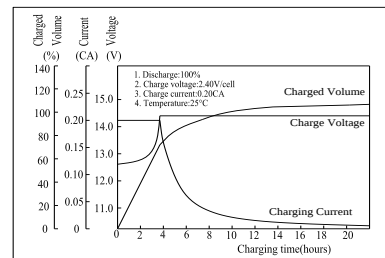
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	5886	4612	2819	1761	1058	765	618	530	367	304	162
9.90V	5709	4501	2763	1735	1052	760	614	527	364	303	162
10.2V	5474	4335	2678	1691	1042	755	610	524	362	302	161
10.5V	5239	4187	2613	1656	1027	750	606	520	359	301	160
10.8V	4944	3966	2517	1605	1001	727	587	504	349	299	159

Note: The above characteristics data can be obtained within three charge/discharge cycles.

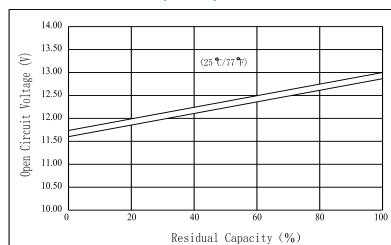
Discharge Characteristics (25°C)



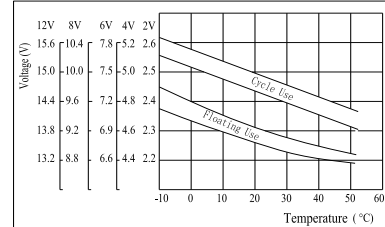
Charging Characteristics (25°C)



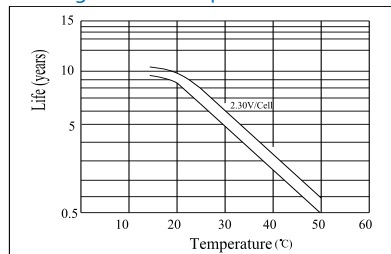
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



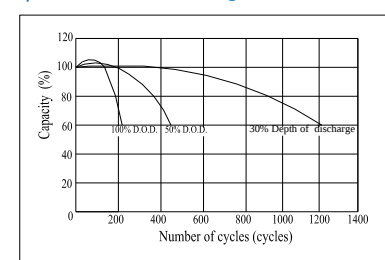
The Relationship for Charging Voltage and Temperature



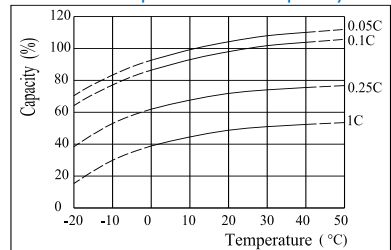
Floating Life on Temperature



Cycle Life on D.O.D (25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

