

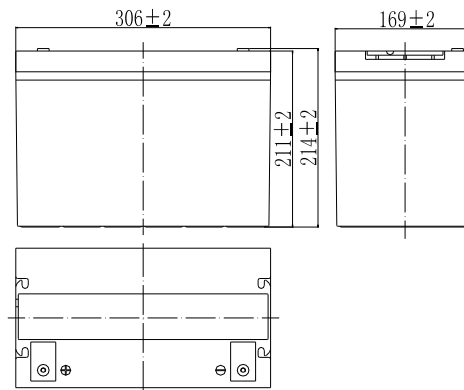
BW 121000 (12V100Ah)

SPECIFICATIONS

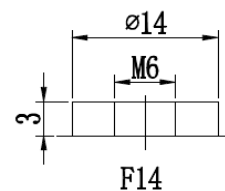
Nominal Voltage		12 V
Capacity (25°C)	20HR	100 Ah
	5HR	79 Ah
	1HR	55.6 Ah
Dimension	Length	306mm ± 2 (12.05inch)
	Width	169mm ± 2 (6.65inch)
	Height	211mm ± 2 (8.31inch)
	Total Height	214 ± 2mm (8.43inch)
Approx. Weight		27kg (59.5lbs) ± 4%
Terminal type		F14 (Z) or M8
Internal resistance (Fully charged, 25°C)		Approx. 5m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 15.00V Temperature compensation: -30mV/°C
Maximum charging current		27A
Maximum discharge current		800 A(5 sec.)
Designed floating life(20°C)		10 years



DIMENSIONS



TERMINAL



CONSTRUCTION

Component	Positive plate	Negative plate	Container	Cover	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS	ABS	AGM	Sulfuric acid	Rubber	Copper

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25°C)

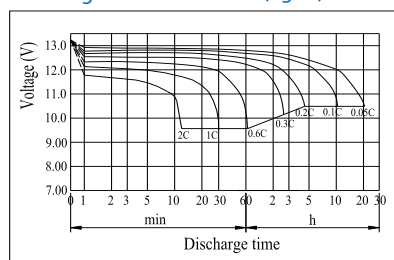
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	196	151	90.5	55.6	32.9	23.4	18.9	16.2	11.1	9.16	4.86
9.90V	190	148	88.6	54.8	32.7	23.3	18.8	16.1	11.0	9.14	4.85
10.2V	182	142	85.9	53.4	32.4	23.1	18.7	16.0	11.0	9.12	4.83
10.5V	175	137	83.8	52.3	31.9	23.0	18.5	15.8	10.9	9.06	4.80
10.8V	165	130	80.8	50.7	31.1	22.3	18.0	15.4	10.6	9.00	4.77

CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT, 25°C)

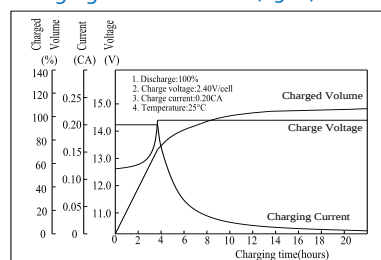
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	2119	1660	1015	634	381	275	222	191	132	109	58.3
9.90V	2055	1620	995	625	379	274	221	190	131	109	58.2
10.2V	1971	1561	964	609	375	272	220	189	130	109	58.0
10.5V	1886	1507	941	596	370	270	218	187	129	108	57.6
10.8V	1780	1428	906	578	360	262	211	182	125	107	57.2

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

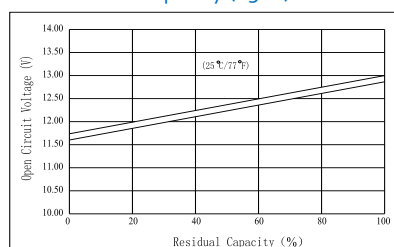
Discharge Characteristics (25°C)



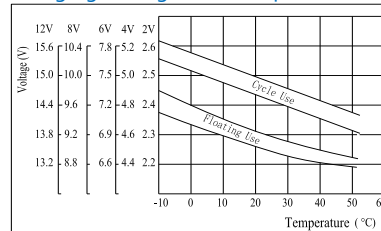
Charging Characteristics (25°C)



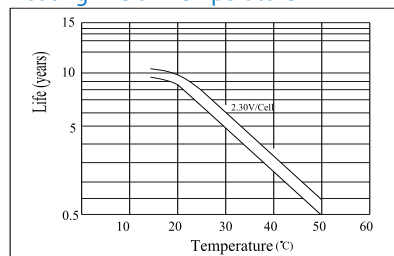
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



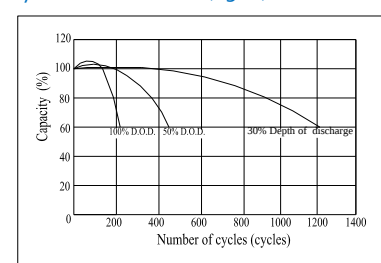
The Relationship for Charging Voltage and Temperature



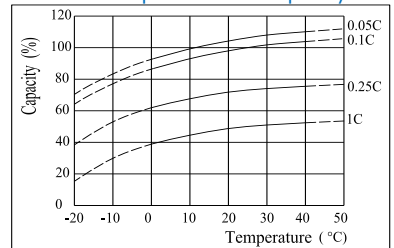
Floating Life on Temperature



Cycle Life on D.O.D (25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

