



FW6000-B12260

RECHARGEABLE BATTERY

HX12-26

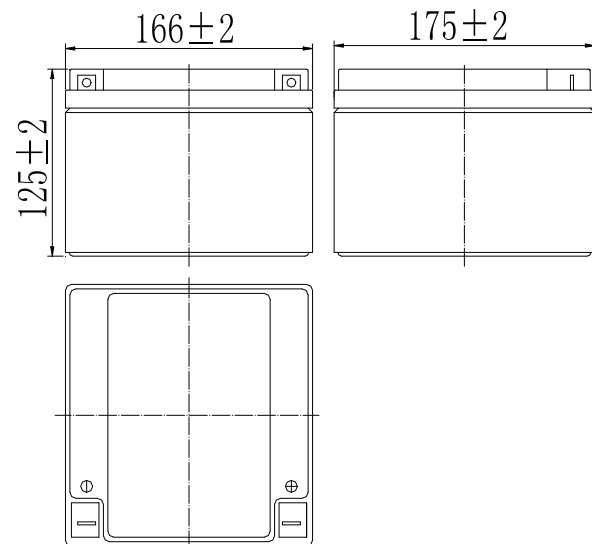
(12V26Ah)

SPECIFICATIONS

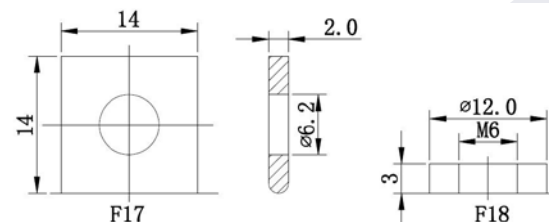
18 MONTHS WARRANTY

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	26 Ah
	10HR(10.5V)	24.3Ah
	1HR(9.60V)	16.5Ah
Dimension	Length	166 ± 2mm (6.54inch)
	Width	175 ± 2mm (6.89inch)
	Height	125 ± 2mm (4.92inch)
	Total Height	125 ± 2mm (4.92inch)
Approx. Weight		7.9kg (17.4lbs) ± 5%
Terminal type		F17/F18
Internal resistance (Fully charged, 25°C)		Approx. 14mΩ
Capacity affected by temperature (20HR)	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)	13.60 to 13.80V Temperature compensation: -18mV/°C	
Cyclic charging voltage(25°C)	14.50 to 15.00V Temperature compensation: -30mV/°C	
Maximum charging current	7.8A	
Maximum discharge current	390A(5 sec.)	
Designed floating life(20°C)	5 years	

Dimensions



Terminal



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	61.0	47.7	26.9	16.5	9.32	6.44	5.33	4.53	2.94	2.46	1.32
9.90V	59.2	46.5	26.3	16.3	9.26	6.41	5.30	4.51	2.93	2.45	1.31
10.2V	56.8	44.8	25.5	15.9	9.18	6.36	5.26	4.48	2.91	2.44	1.31
10.5V	54.3	43.3	24.9	15.5	9.04	6.32	5.23	4.45	2.89	2.43	1.30
10.8V	51.3	41.0	24.0	15.1	8.81	6.13	5.07	4.31	2.80	2.38	1.27

Constant Power Discharge Characteristics (Watt, 25°C)

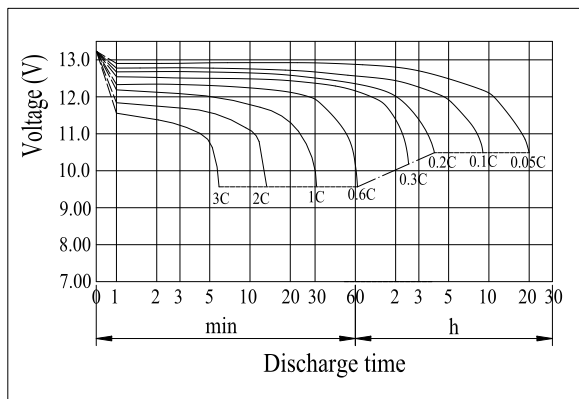
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	688	543	308	191	109	76.6	63.5	54.1	35.3	29.5	15.8
9.90V	668	530	302	188	108	76.1	63.1	53.8	35.1	29.4	15.8
10.2V	640	511	292	184	107	75.6	62.7	53.5	34.9	29.3	15.7
10.5V	613	493	285	180	106	75.1	62.2	53.1	34.6	29.1	15.6
10.8V	578	467	275	174	103	72.8	60.4	51.5	33.6	28.5	15.3

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

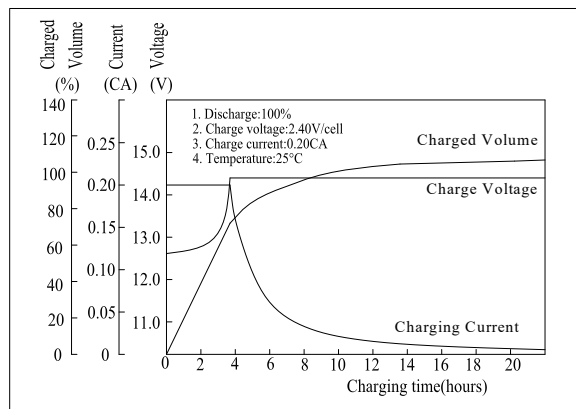
Construction

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

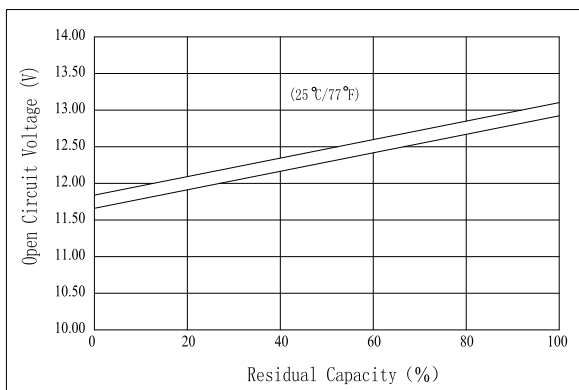
Discharge Characteristics(25°C)



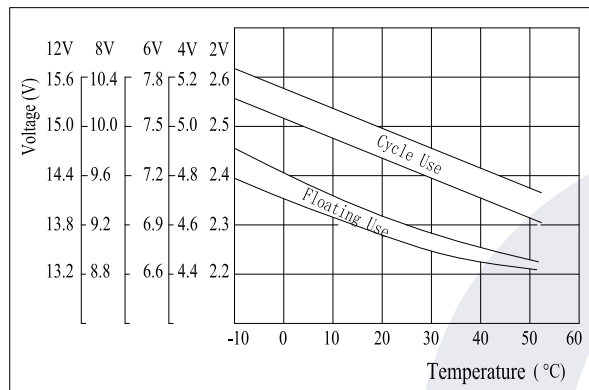
Charging Characteristics(25°C)



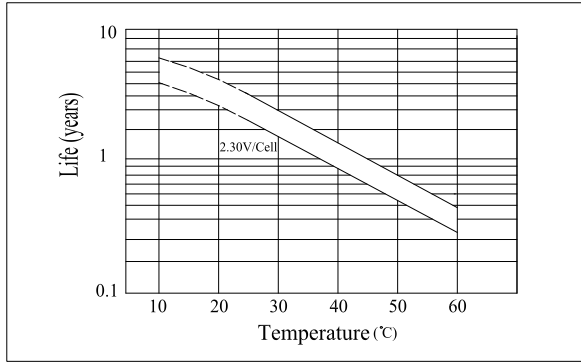
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



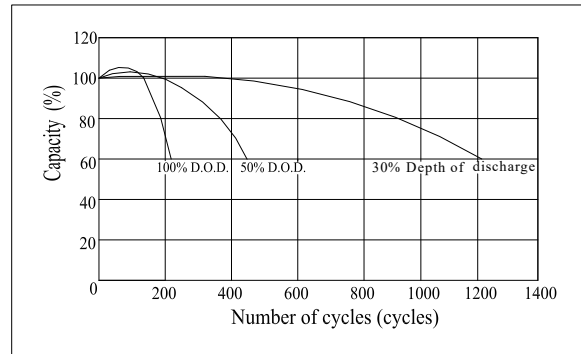
The Relationship for Charging Voltage and Temperature



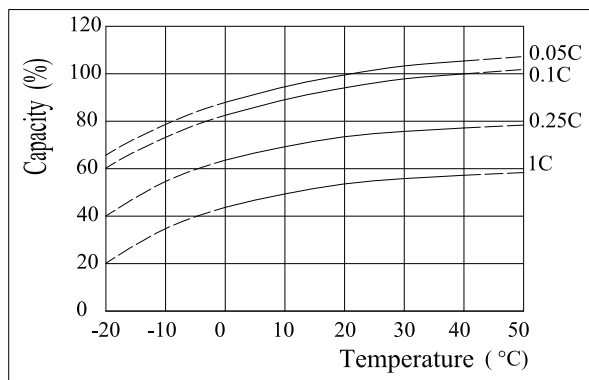
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

