

FW6000-B650

RECHARGEABLE BATTERY

HX6-5



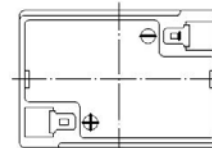
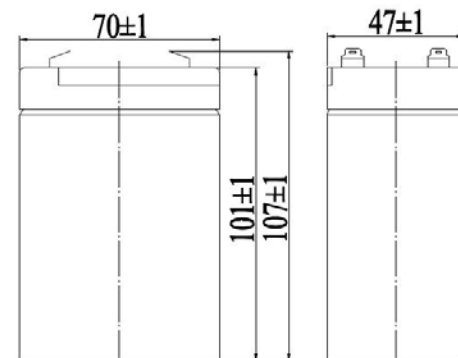
(6V5Ah)

SPECIFICATIONS

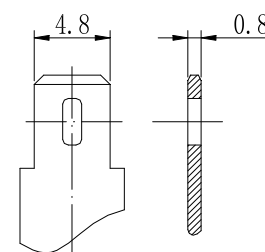
18 MONTHS WARRANTY

Nominal Voltage		6 V
Capacity (25°C)	20HR(5.25V)	5.0Ah
	10HR(5.25V)	4.7Ah
	1HR(4.80V)	3.25Ah
Dimension	Length	70 ± 1mm (2.76inch)
	Width	47 ± 1mm (1.85inch)
	Height	101 ± 1mm (3.98inch)
	Total Height	107 ± 1mm (4.21inch)
Approx. Weight		0.8kg (1.76lbs) ± 5%
Terminal type		F1
Internal resistance (Fully charged, 25°C)		Approx. 17mΩ
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)	6.80 to 6.90V Temperature compensation: -9mV/°C	
Cyclic charging voltage(25°C)	7.25 to 7.50V Temperature compensation: -15mV/°C	
Maximum charging current	1.5A	
Maximum discharge current	75A(5 sec.)	
Designed floating life(20°C)	5 years	

Dimensions



Terminal



F1

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	19.1	12.1	9.45	5.33	3.28	1.79	1.24	1.03	0.87	0.47	0.25
4.95V	18.5	11.7	9.22	5.22	3.23	1.78	1.23	1.02	0.87	0.47	0.25
5.10V	17.8	11.3	8.88	5.06	3.14	1.77	1.22	1.01	0.86	0.47	0.25
5.25V	17.0	10.8	8.58	4.94	3.08	1.74	1.22	1.01	0.86	0.47	0.25
5.40V	16.0	10.2	8.13	4.76	2.99	1.69	1.18	0.97	0.83	0.46	0.25

Constant Power Discharge Characteristics (Watt, 25°C)

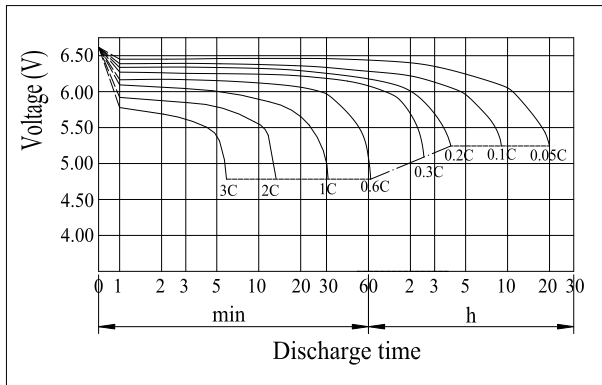
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
4.80V	107	68.2	53.9	30.5	19.0	10.5	7.36	6.10	5.21	2.84	1.52
4.95V	103	66.2	52.6	29.9	18.7	10.4	7.32	6.07	5.18	2.83	1.52
5.10V	99.1	63.5	50.6	29.0	18.2	10.3	7.27	6.03	5.14	2.82	1.51
5.25V	94.9	60.7	48.9	28.3	17.8	10.2	7.22	5.98	5.10	2.80	1.50
5.40V	89.5	57.3	46.3	27.2	17.3	9.91	7.00	5.81	4.95	2.74	1.47

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

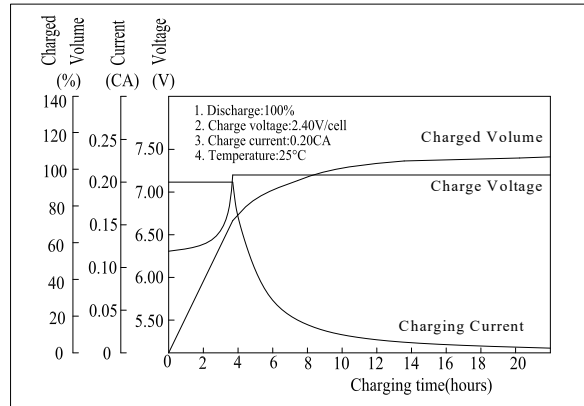
Construction

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

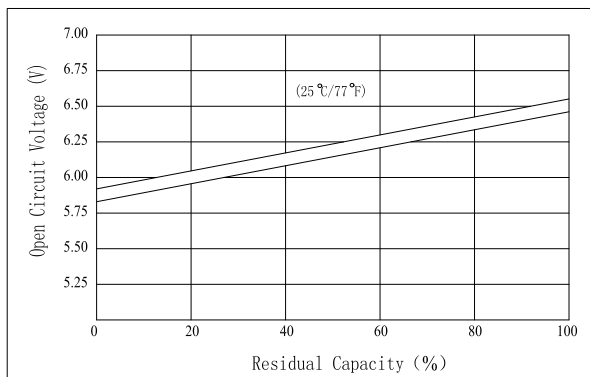
Discharge Characteristics(25°C)



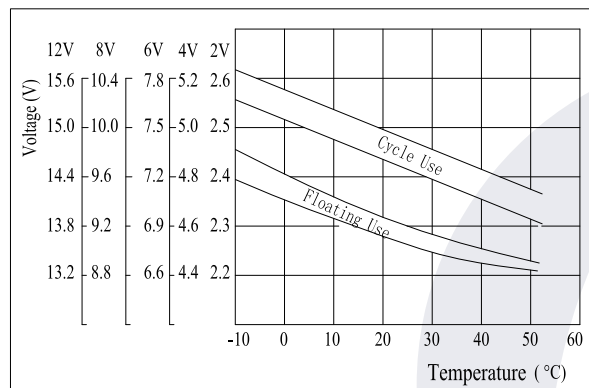
Charging Characteristics(25°C)



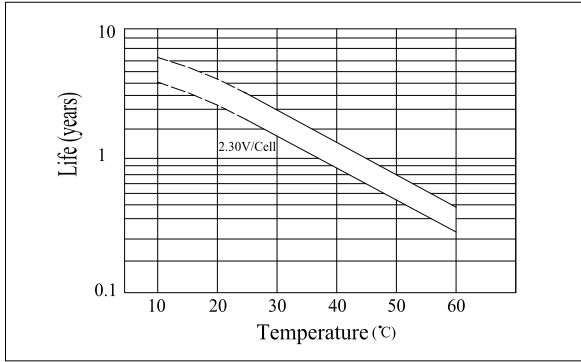
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



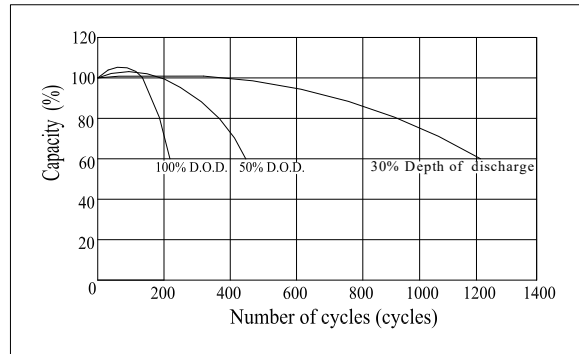
The Relationship for Charging Voltage and Temperature



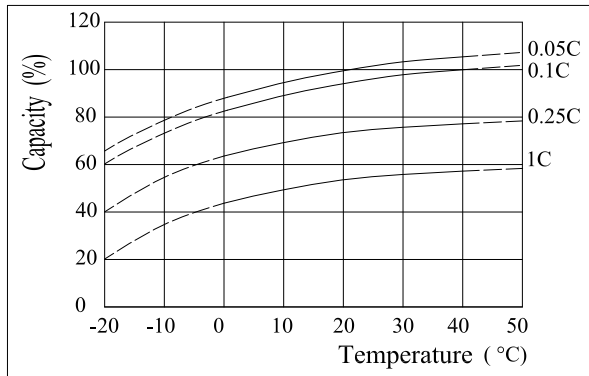
Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Effect of Temperature on Capacity



Self-discharge Characteristics

