

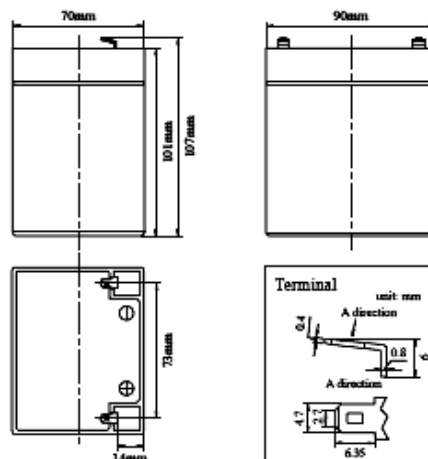


HRX 12-5 (12V5AH/20hr)

Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		5.0Ah
Capacity 25°C(77°F)	10 hour rate (0.473A)	4.73Ah
	5 hour rate (0.861A)	4.31Ah
	1 hour rate (3.11A)	3.11Ah
Internal Resistance	Full Charged Battery 25°C	≤30mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C(77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 1.50A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 1.50A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	90mm
	Width	70mm
	Height	101mm
	Total Height	107mm
Box Dimensions	Length	389mm
	Width	200mm
	Height	147mm
Quantity Per Box		10 pcs per box
Net weight Per Cell		1.50 kg±50g
Net weight Per Box		15.0kg
Gross Weight		15.5kg

Constant Current Discharge (Amperes) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	16.4	10.9	8.33	6.75	4.97	3.63	2.97	1.71	1.24	0.984	0.838	0.717	0.565	0.462	0.244
1.80V/cell	17.6	11.6	8.74	7.02	5.12	3.73	3.05	1.74	1.26	1.00	0.850	0.729	0.573	0.468	0.247
1.75V/cell	18.5	12.1	9.03	7.21	5.25	3.81	3.11	1.77	1.28	1.01	0.861	0.737	0.579	0.473	0.250
1.70V/cell	19.4	12.5	9.33	7.42	5.39	3.89	3.17	1.80	1.29	1.03	0.872	0.746	0.585	0.478	0.252
1.67V/cell	20.1	12.9	9.56	7.57	5.48	3.96	3.21	1.82	1.31	1.04	0.880	0.752	0.590	0.481	0.254
1.60V/cell	21.3	13.4	9.89	7.80	5.63	4.06	3.29	1.86	1.33	1.05	0.894	0.763	0.598	0.487	0.257

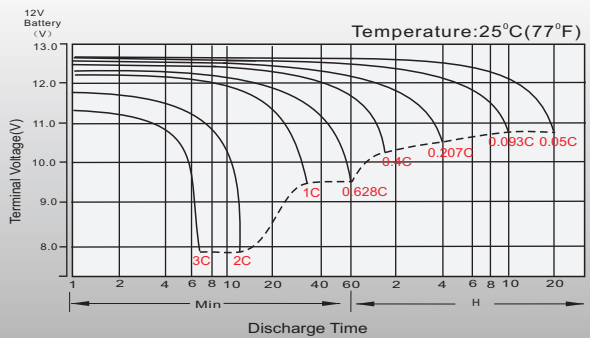
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	30.9	20.8	15.9	13.0	9.60	7.04	5.78	3.35	2.43	1.94	1.65	1.42	1.12	0.918	0.489
1.80V/cell	33.0	21.9	16.6	13.4	9.85	7.21	5.91	3.41	2.46	1.96	1.68	1.44	1.14	0.930	0.495
1.75V/cell	34.3	22.6	17.1	13.7	10.1	7.33	6.00	3.46	2.50	1.99	1.69	1.45	1.15	0.938	0.500
1.70V/cell	35.6	23.4	17.5	14.1	10.3	7.47	6.10	3.50	2.53	2.01	1.72	1.47	1.16	0.947	0.504
1.67V/cell	36.5	23.9	17.9	14.3	10.4	7.57	6.18	3.53	2.55	2.03	1.73	1.48	1.17	0.954	0.508
1.60V/cell	38.0	24.6	18.4	14.7	10.7	7.71	6.29	3.59	2.59	2.06	1.75	1.50	1.18	0.965	0.514

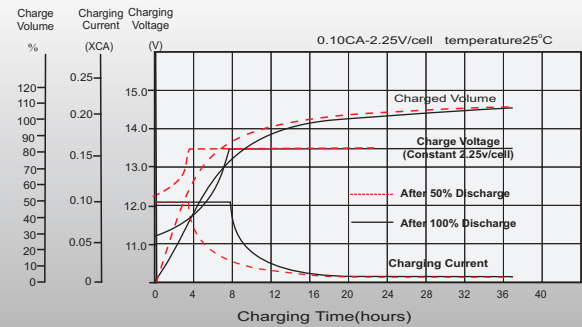


HRX 12-5 (12V5AH/20hr)

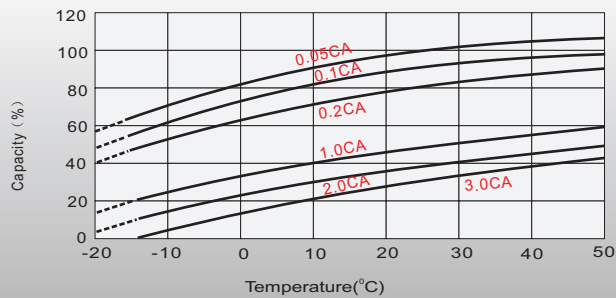
Discharge Characteristics



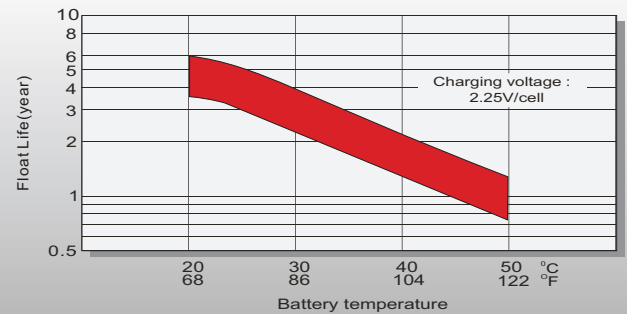
Float Charging Characteristics



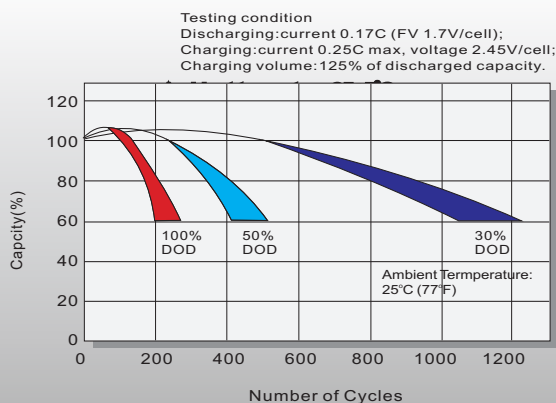
Temperature Effects in Relation to Battery Capacity



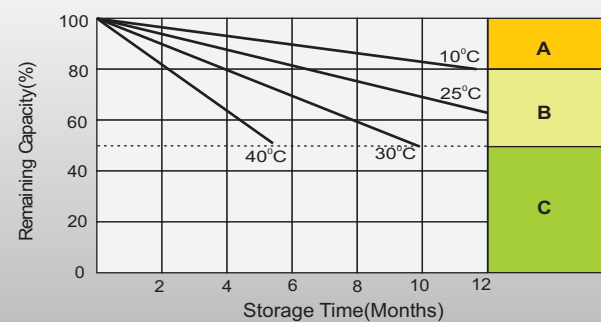
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



Battery Construction

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