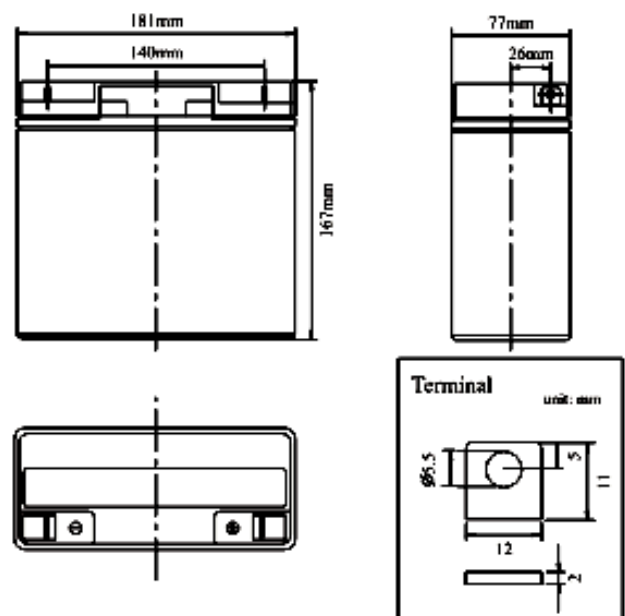


CHARACTERISTICS

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		18Ah
Capacity 25°C	10 hour rate (9.0A)	17.1Ah
	5 hour rate (15.9A)	16.05Ah
	1 hour rate (55.4A)	11.88Ah
Internal Resistance	Full Charged Battery 25°C	≤12mΩ
Capacity affected by Temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 25°C Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C	Float	Initial Charging Current Less than 5.4A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 5.4A Voltage 14.4-14.9V

PACKAGING

Battery Dimensions	Length	181mm
	Width	77mm
	Height	167mm
	Total Height	167mm
Box Dimensions	Length	341mm
	Width	195mm
	Height	213mm
Quantity Per Box	4 pcs per box	
Net weight Per Cell	5.4 kg±150g	
Net weight Per Box	21.6kg	
Gross Weight	22.1kg	



Discharge Constant Current per Cell (Amperes at 25°C)

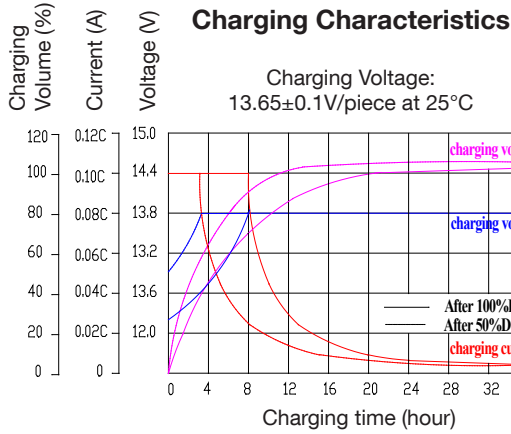
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	59.40	39.60	29.80	19.80	13.86	11.88	7.43	5.09	3.39	2.28	1.88	0.99
1.65V	58.32	38.88	29.25	19.44	13.61	11.66	7.29	5.00	3.33	2.24	1.85	0.97
1.70V	57.24	38.16	28.71	19.08	13.36	11.45	7.16	4.90	3.27	2.20	1.82	0.95
1.75V	56.16	37.44	28.17	18.72	13.10	11.23	7.02	4.81	3.21	2.16	1.78	0.94
1.80V	54.00	36.00	27.09	18.00	12.60	10.80	6.75	4.63	3.08	2.07	1.71	0.90

Discharge Constant Current per Cell (Watts at 25°C)

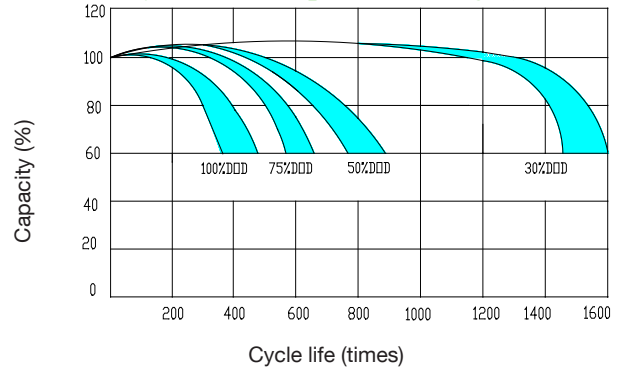
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	114.35	76.23	57.36	38.12	26.68	22.87	14.29	9.80	6.53	4.39	3.63	1.91
1.65V	112.27	74.84	56.31	37.42	26.20	22.45	14.03	9.62	6.41	4.31	3.56	1.87
1.70V	110.19	73.46	55.27	36.73	25.71	22.04	13.77	9.44	6.29	4.23	3.50	1.84
1.75V	108.11	72.07	54.23	36.04	25.23	21.62	13.51	9.26	6.17	4.15	3.43	1.80
1.80V	103.95	69.30	52.14	34.65	24.26	20.79	12.99	8.90	5.94	3.99	3.30	1.73

Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact R&J for the latest information.

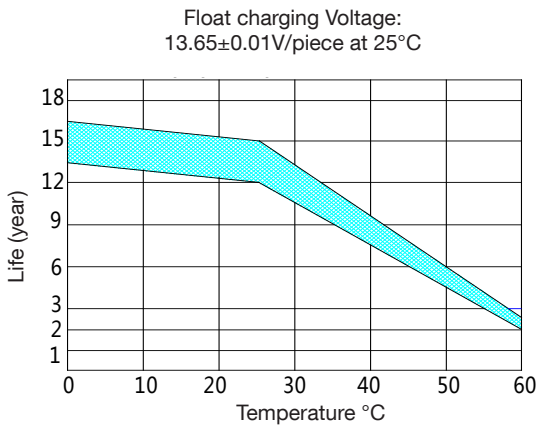
PERFORMANCE CHARACTERISTICS



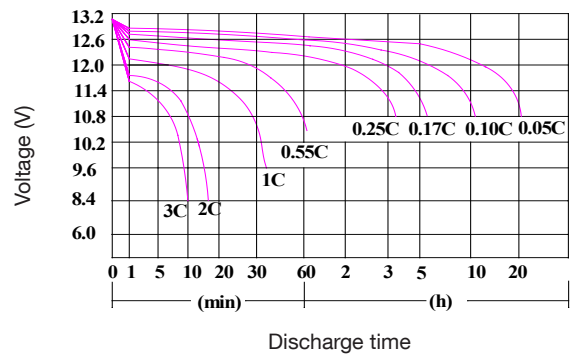
Cycle life Vs Depth of discharge (25°C)



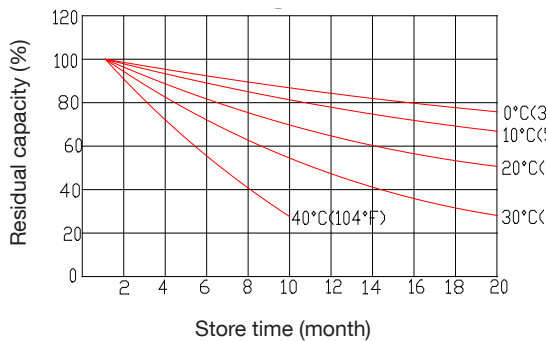
Temperature effect on designed float life



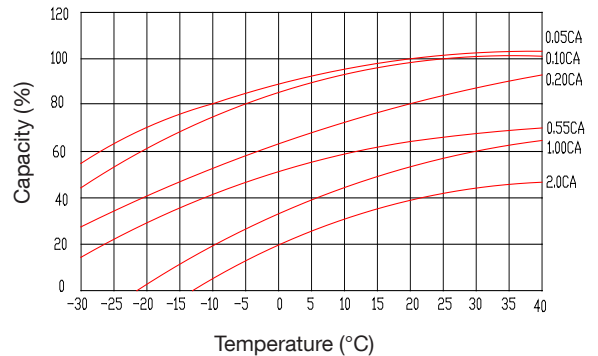
Discharge characteristics (25°C)



Temperature effect on battery self-discharge



Temperature effect on capacity



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