

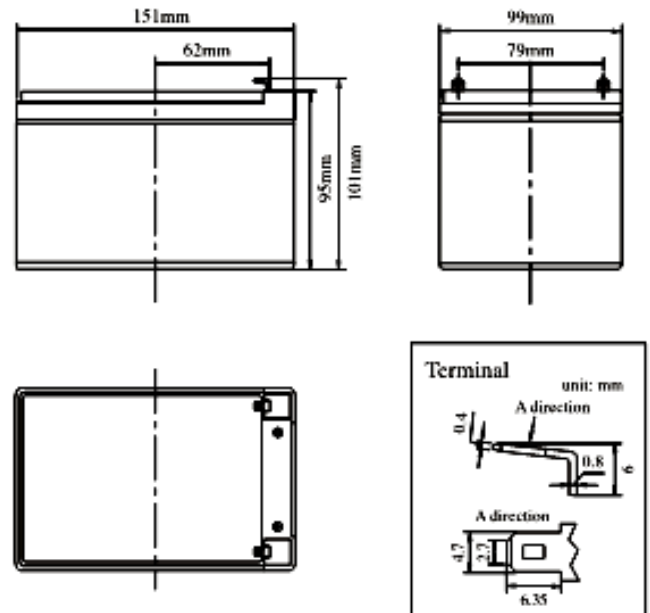
CHARACTERISTICS

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		14Ah
Capacity 25°C	10 hour rate (9.0A)	12.6Ah
	5 hour rate (15.9A)	12Ah
	1 hour rate (55.4A)	8.5Ah
Internal Resistance	Full Charged Battery 25°C	≤15mΩ
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 3.6A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 3.6A Voltage 14.4-14.9V



PACKAGING

Battery Dimensions	Length	152 mm
	Width	99 mm
	Height	96 mm
	Total Height	102 mm
Box Dimensions	Length	325 mm
	Width	218 mm
	Height	141 mm
Quantity Per Box	4 PCs per box	
Net weight Per Cell	4.1 kg±3%	
Net weight Per Box	16.4kg	
Gross Weight	16.9kg	



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

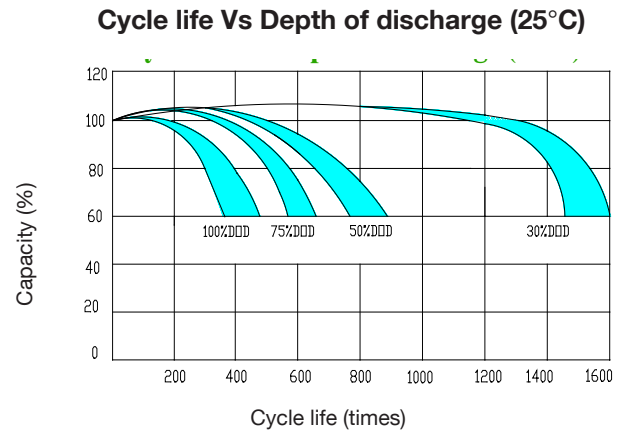
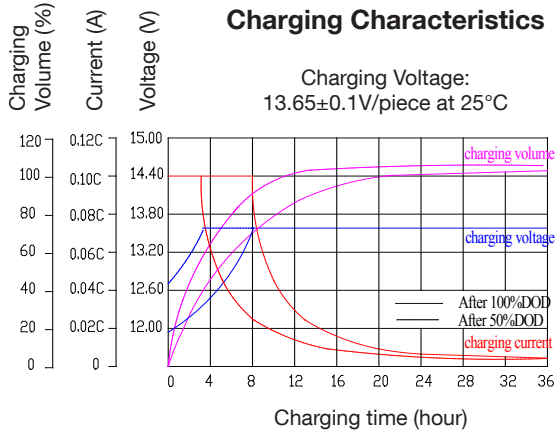
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	46.2	30.8	23.2	15.4	10.8	8.5	5.2	4.0	2.5	1.8	1.39	0.77
1.65V	45.4	30.2	22.8	15.1	10.6	8.3	5.1	3.9	2.4	1.7	1.36	0.76
1.70V	44.5	29.7	22.3	14.8	10.4	8.2	5.0	3.8	2.4	1.7	1.34	0.74
1.75V	43.7	29.1	21.9	14.6	10.2	8.0	5.0	3.7	2.3	1.7	1.31	0.73
1.80V	42.0	28.0	21.1	14.0	9.8	7.7	4.8	3.6	2.2	1.6	1.26	0.70

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

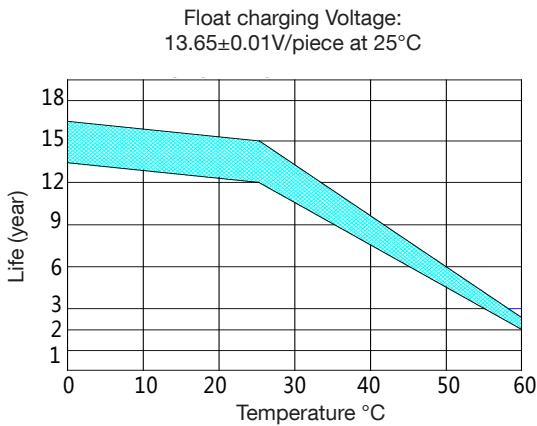
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	88.9	59.3	44.6	29.6	20.8	16.3	10.1	7.6	4.8	3.4	2.7	1.5
1.65V	87.3	58.2	43.8	29.1	20.4	16.0	9.9	7.5	4.7	3.4	2.6	1.5
1.70V	85.7	57.1	43.0	28.6	20.0	15.7	9.7	7.3	4.6	3.3	2.6	1.4
1.75V	84.1	56.1	42.2	28.0	19.6	15.4	9.5	7.2	4.5	3.2	2.5	1.4
1.80V	80.9	53.9	40.6	27.0	18.9	14.8	9.2	6.9	4.4	3.1	2.4	1.3

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.

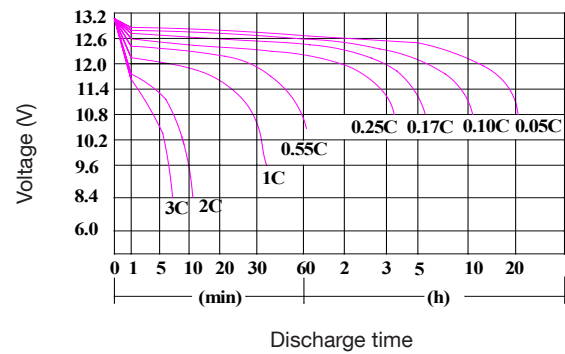
PERFORMANCE CHARACTERISTICS



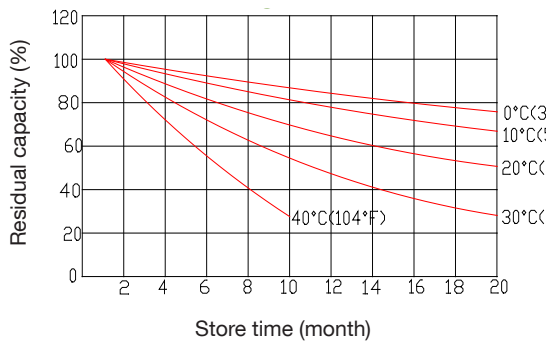
Temperature effect on designed float life



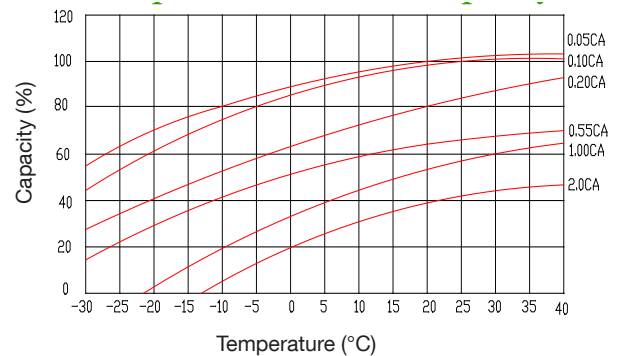
Discharge characteristics (25°C)



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