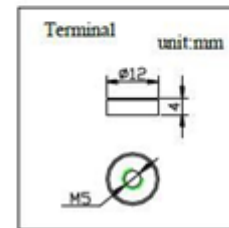
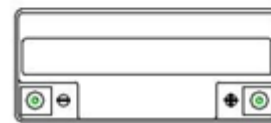
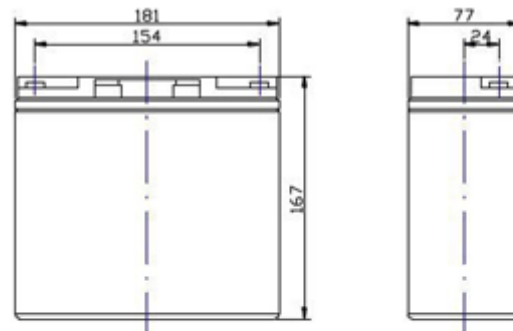


CHARACTERISTICS

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 14.4-15.0V

PACKAGING

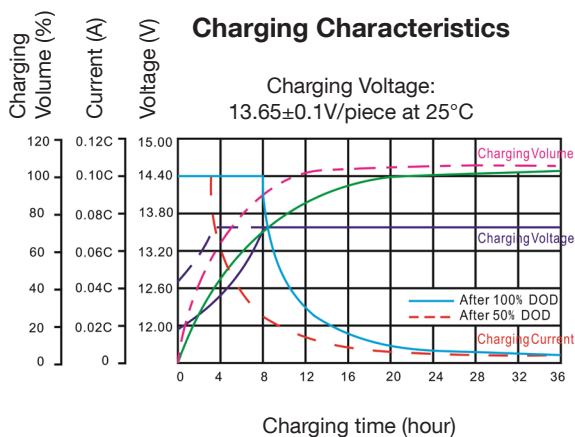
Battery Dimensions	Length	181mm
	Width	77mm
	Height	167mm
	Total Height	167mm
Quantity Per Box	2 pcs per box	
Net weight Per Box	10.36kg	
Gross Weight	10.56kg	



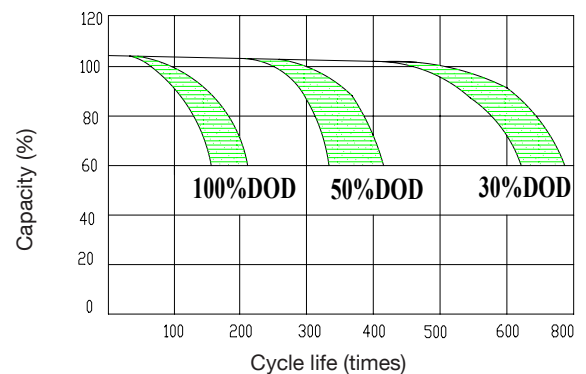
Discharge Constant Current per Cell (Amperes at 25°C)

F.V/Time	30min	1h	2h	5h	10h	20h
1.60V	19.80	11.88	7.43	3.39	1.88	0.99
1.65V	19.44	11.66	7.29	3.33	1.85	0.97
1.70V	19.08	11.45	7.16	3.27	1.82	0.95
1.75V	18.72	11.23	7.02	3.21	1.78	0.94
1.80V	18.00	10.80	6.75	3.08	1.71	0.90

PERFORMANCE CHARACTERISTICS

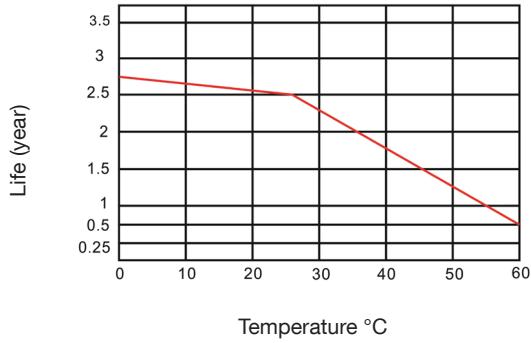


Cycle life Vs Depth of discharge (25°C)

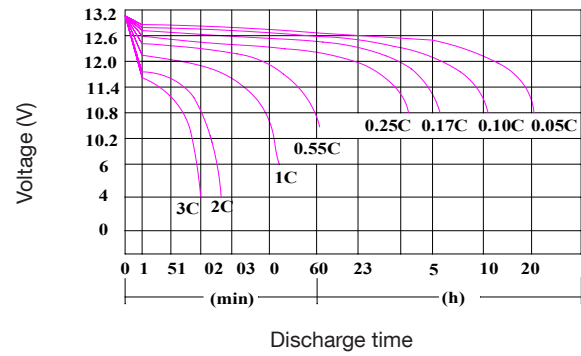


Temperature effect on designed float life

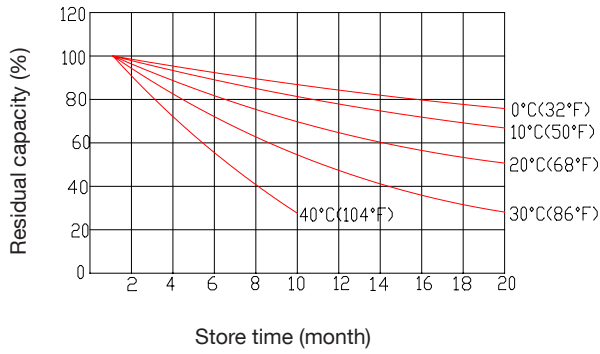
Float charging Voltage:
13.65±0.01V/piece at 25°C



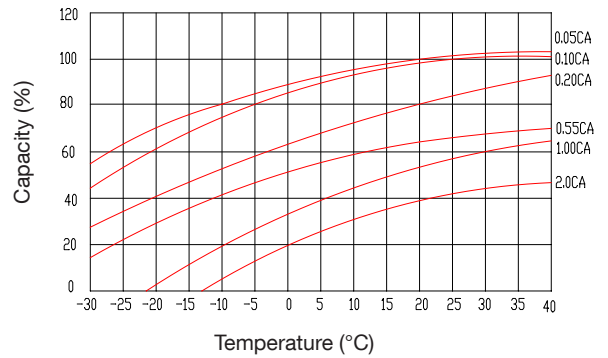
Discharge characteristics (25°C)



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