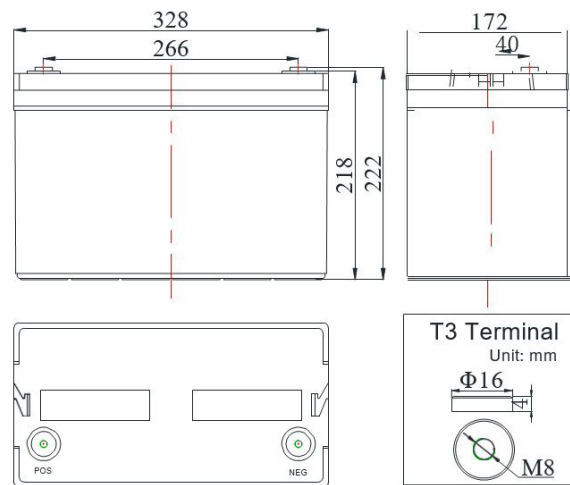


## CHARACTERISTICS

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		110.3Ah
Capacity 25°C	10 hour rate (9.0A)	120.0Ah
	5 hour rate (15.9A)	97.0Ah
	1 hour rate (55.4A)	73.3Ah
Internal Resistance Full Charged Battery 25°C		≤5.5mΩ
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 30A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 30A Voltage 14.4-14.9V

## PACKAGING

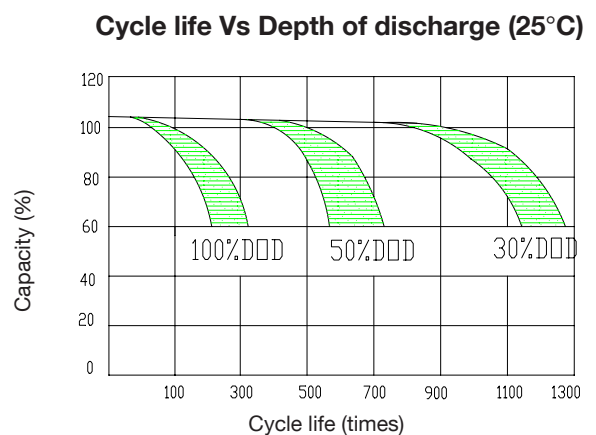
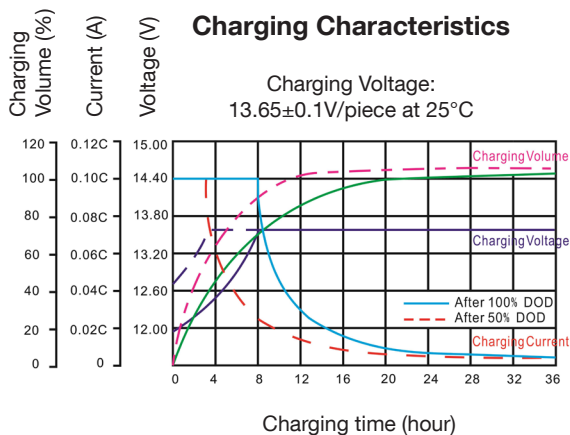
Battery Dimensions	Length	328mm
	Width	172mm
	Height	218mm
	Total Height	222mm
Quantity Per Box	1 PC per box	
Net weight Per Box	32.0kg	
Gross Weight	32.5kg	



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

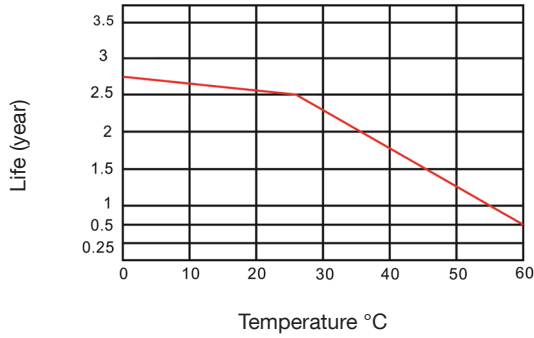
F.V/Time	30min	1h	2h	5h	10h	20h
1.60V	115.9	73.3	41.4	20.5	11.47	6.18
1.65V	112.7	71.4	40.0	20.2	11.36	6.12
1.70V	109.6	69.5	38.9	19.7	11.25	6.06
1.75V	106.5	67.5	37.9	19.4	11.14	6.00
1.80V	103.5	65.5	36.5	19.0	11.03	5.89

## PERFORMANCE CHARACTERISTICS

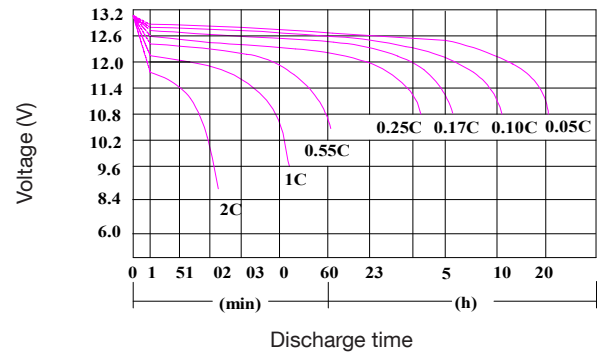


### Temperature effect on designed float life

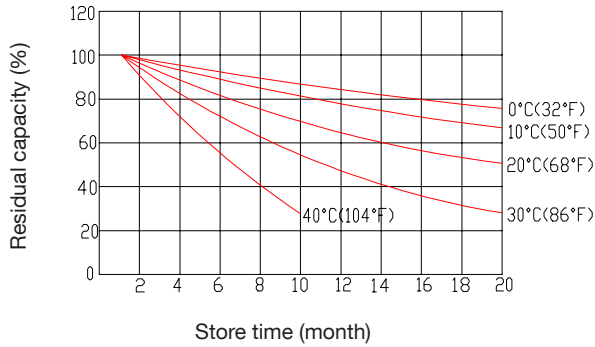
Float charging Voltage:  
13.65±0.01V/piece at 25°C



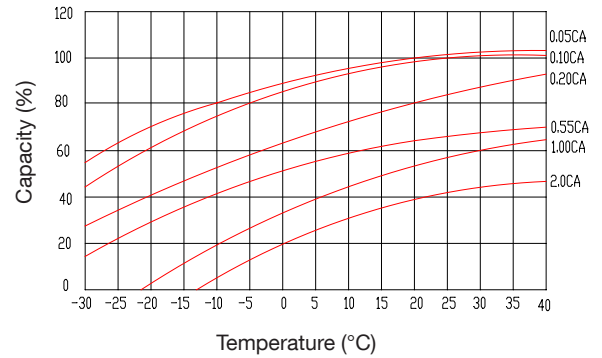
### Discharge characteristics (25°C)



### 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