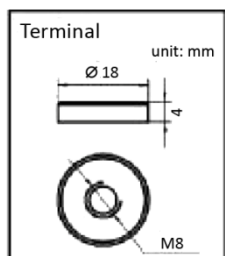
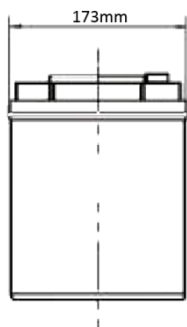
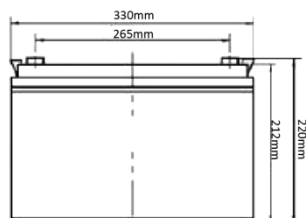
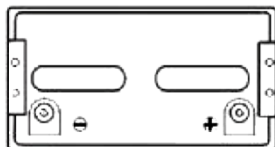


Product Dimensions



Applications

- All Purpose
- Uninterruptible Power Supply (UPS)
- Electronic Power System
- Emergency Backup Power Supply
- Electronic apparatus and equipment
- Communication Power Supply

Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		100Ah
Capacity 25°C	20 hour rate (2.11 A)	111Ah
	5 hour rate (6.9 A)	91.5Ah
	1 hour rate (25.3 A)	66.5Ah
Internal Resistance	Full Charged Battery 25°C	≤5.0mΩ
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 25.0A Voltage 13.6-13.8V
	Cycle	Initial charging Current Less than 25.0A Voltage 14.4-14.9V

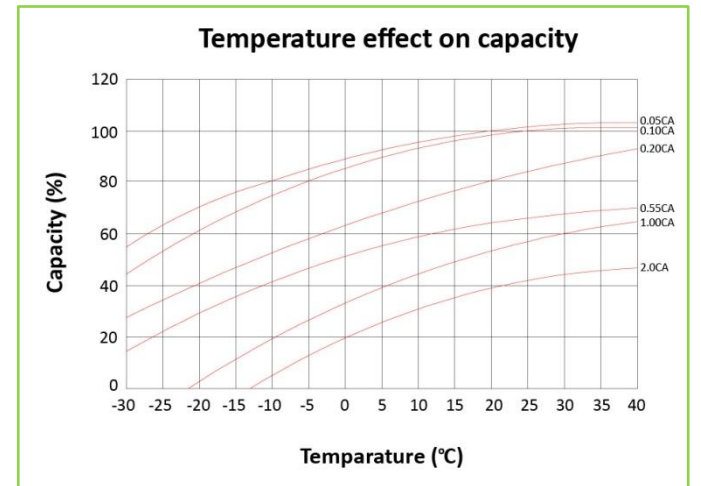
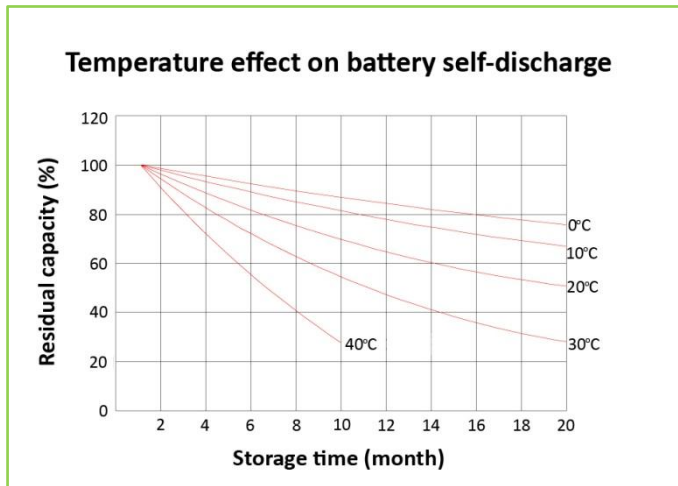
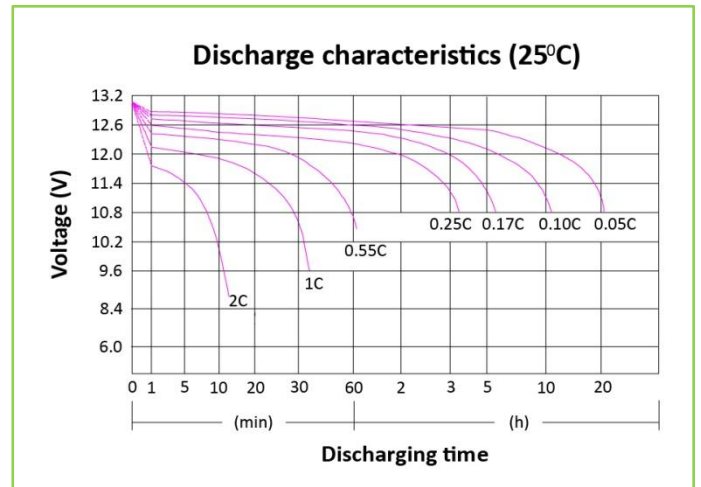
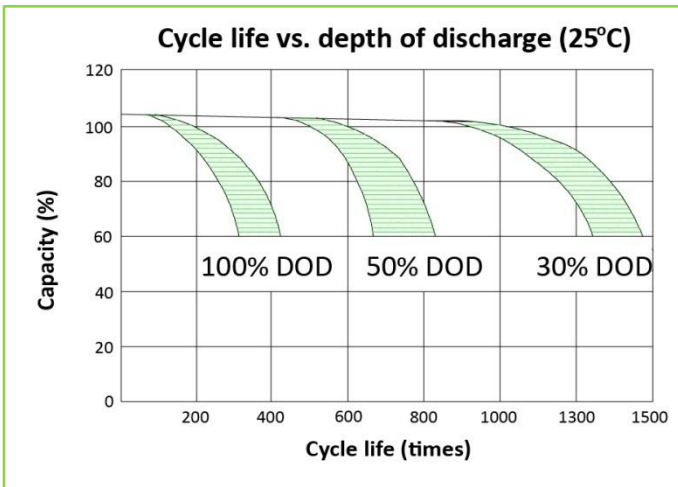
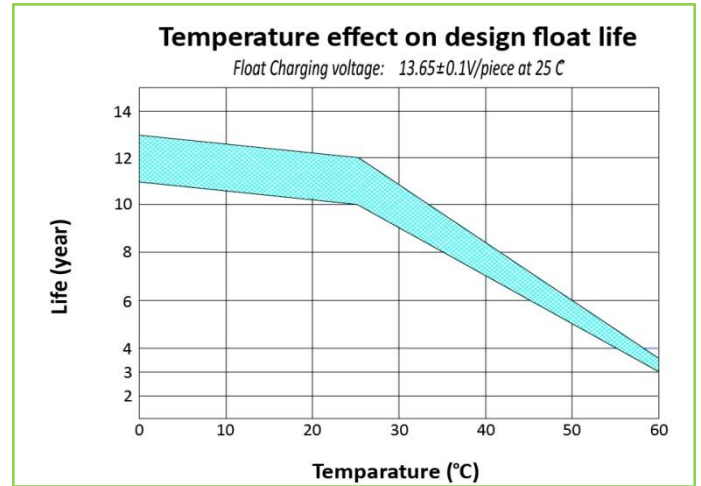
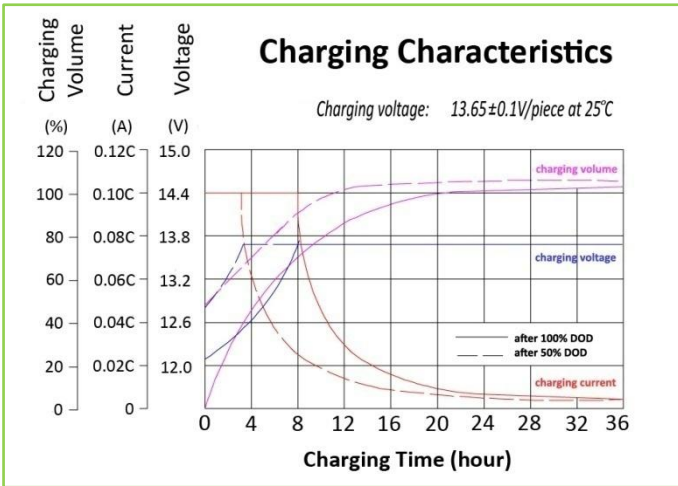
Packaging

Battery Dimensions	Length	330mm
	Width	173mm
	Height	212mm
	Total Height	220mm
Box Dimensions	Length	346mm
	Width	188mm
	Height	289mm
Quantity per Box		1 PC per box
Net Weight per Cell		29kg±3%
Net Weight per Box		29kg
Gross Weight		29.5kg

10 Years Design Life

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	283.5	202.5	168.8	105.1	75.4	66.5	40.5	29.6	19.1	11.6	10.40	5.77
1.65V	250.0	187.4	161.8	102.2	73.4	64.7	39.8	29.1	18.8	11.5	10.30	5.72
1.70V	224.2	173.8	154.8	99.4	71.3	63.0	39.1	28.6	18.5	11.4	10.20	5.66
1.75V	203.1	162.3	147.7	96.6	69.3	61.2	38.1	27.9	18.3	11.3	10.10	5.61
1.80V	180.0	146.0	140.7	93.8	67.3	59.4	37.2	27.2	18.0	11.2	10.00	5.55
Discharge Constant Power per Cell (Watts at 25°C)*												
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	528.8	377.7	314.9	195.9	140.6	124.1	75.6	55.3	35.6	21.7	19.4	10.8
1.65V	466.3	349.5	301.8	190.7	136.8	120.8	74.2	54.3	35.1	21.5	19.2	10.7
1.70V	418.2	324.1	288.6	185.4	133.0	117.4	72.8	53.3	34.6	21.3	19.0	10.6
1.75V	378.9	302.7	275.5	180.2	129.3	114.1	71.1	52.0	34.1	21.1	18.8	10.5
1.80V	335.7	272.3	262.4	174.9	125.5	110.8	69.4	50.7	33.6	20.9	18.7	10.4

Performance Characteristics



Battery Construction

Component	Positive Plate	Negative Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Cooper	Fiberglass	Sulfuric acid

*NOTE: These 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.