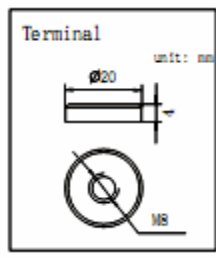
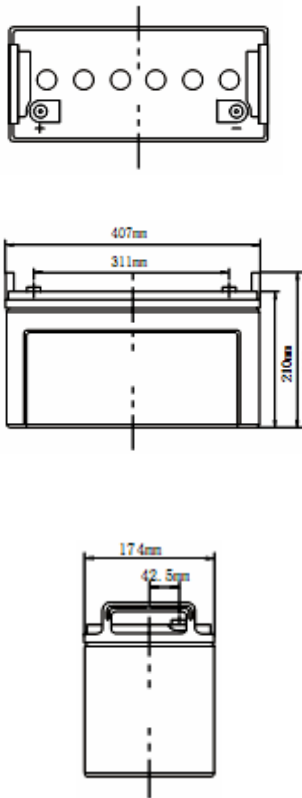


Product Dimensions



10 Years Design Life

Applications

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

Characteristics

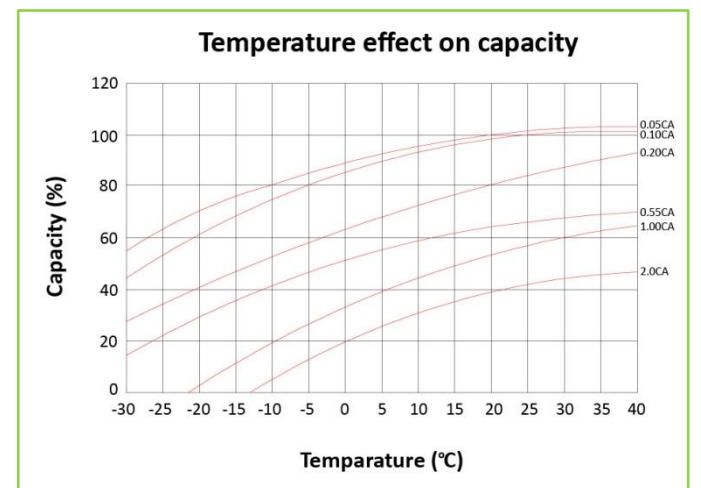
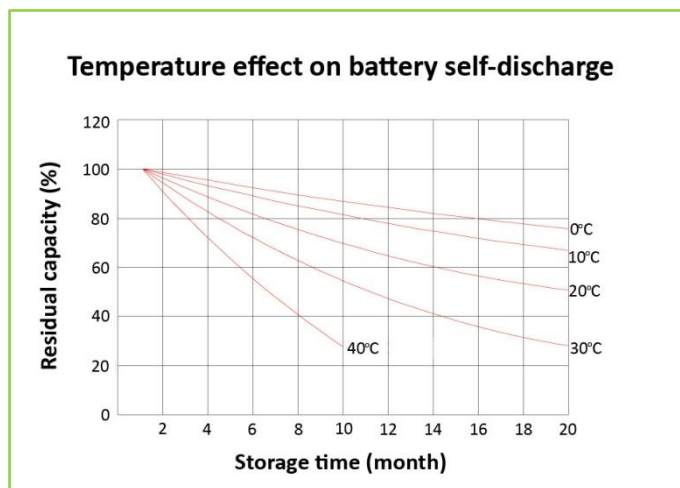
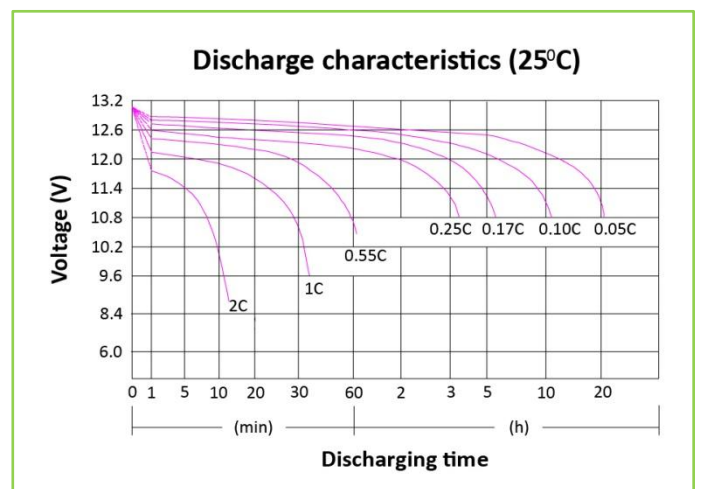
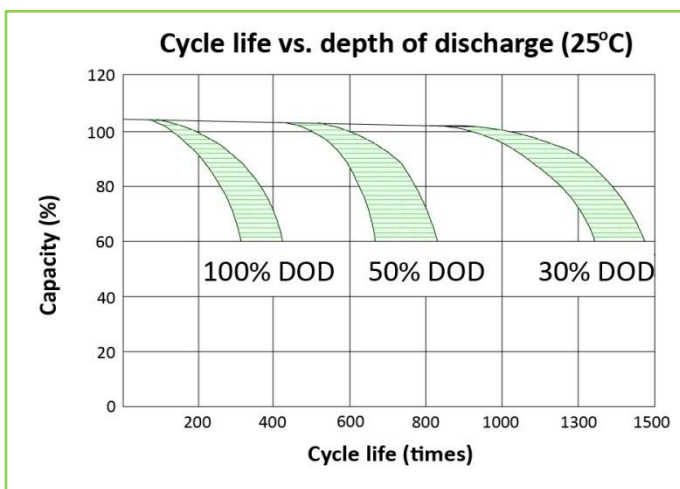
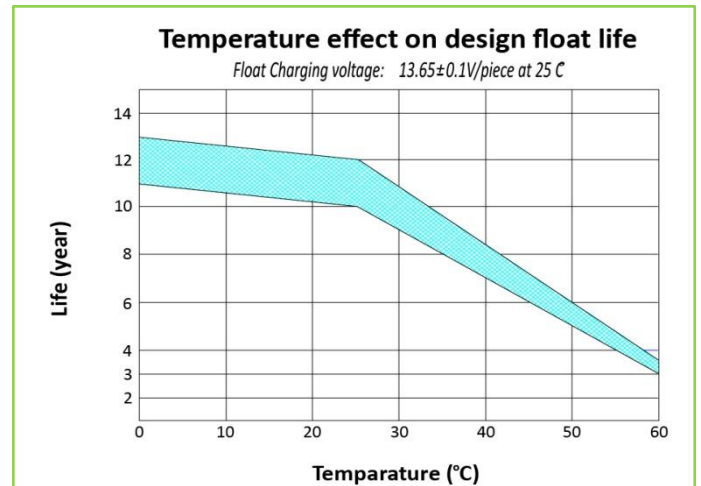
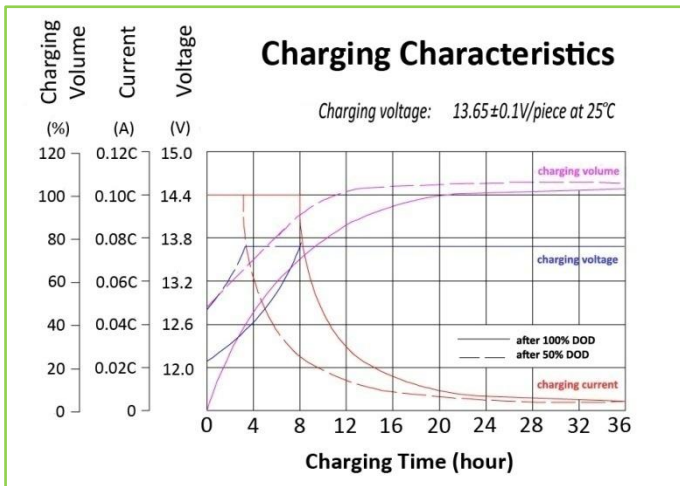
Nominal Voltage		12V
Nominal Capacity (10 hour rate)		120Ah
Capacity 25°C	20 hour rate (2.11 A)	133.2Ah
	5 hour rate (6.9 A)	109.5Ah
	1 hour rate (25.3 A)	79.8Ah
Internal Resistance	Full Charged Battery 25°C	≤5.0mΩ
Capacity affected by temperature (10 hour)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-Discharge 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 24.0A Voltage 13.6-13.8V
	Cycle	Initial charging Current Less than 24.0A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	407mm
	Width	174mm
	Height	210mm
	Total Height	233mm
Box Dimensions	Length	422mm
	Width	188mm
	Height	290mm
	Quantity per Box	
Net Weight per Cell		34.5kg±3%
Net Weight per Box		34.5kg
Gross Weight		35.0kg

Discharge Constant Current per Cell (Amperes at 25°C)*										
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	202.6	126.1	90.5	79.8	48.7	35.6	22.9	14.0	12.48	6.93
1.65V	194.2	122.7	88.0	77.7	47.8	34.9	22.6	13.8	12.36	6.86
1.70V	185.7	119.3	85.6	75.6	49.9	34.3	22.2	13.7	12.24	6.79
1.75V	177.3	115.9	83.2	73.4	45.8	33.5	21.9	13.6	12.12	6.73
1.80V	168.8	112.6	80.8	71.3	44.6	32.6	21.6	13.4	12.00	6.66
Discharge Constant Power per Cell (Watts at 25°C)*										
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	377.9	235.1	168.7	148.9	90.7	66.4	42.7	26.1	23.3	12.9
1.65V	362.1	228.8	164.2	144.9	89.1	65.1	42.1	25.8	23.1	12.8
1.70V	346.4	222.5	159.7	140.9	87.4	63.9	41.5	25.6	22.8	12.7
1.75V	330.6	216.2	155.1	136.9	85.3	62.4	40.9	25.3	22.6	12.5
1.80V	314.9	209.9	150.6	132.9	83.3	60.9	40.3	25.1	22.4	12.4

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.