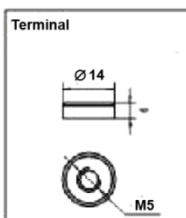
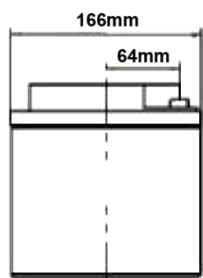
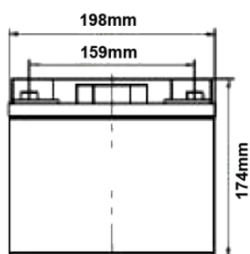
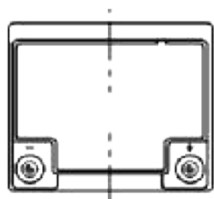


LP 12-38 VRLA Battery 12V 38Ah



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)		38Ah
Capacity 25°C	20 hour rate (2.11 A)	42.2Ah
	5 hour rate (6.9 A)	34.5Ah
	1 hour rate (25.3 A)	25.3Ah
Internal Resistance	Full Charged Battery 25°C	≤10mΩ
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 9.5A Voltage 13.6-13.8V
	Cycle	Initial charging Current Less than 9.5A Voltage 14.4-14.9V

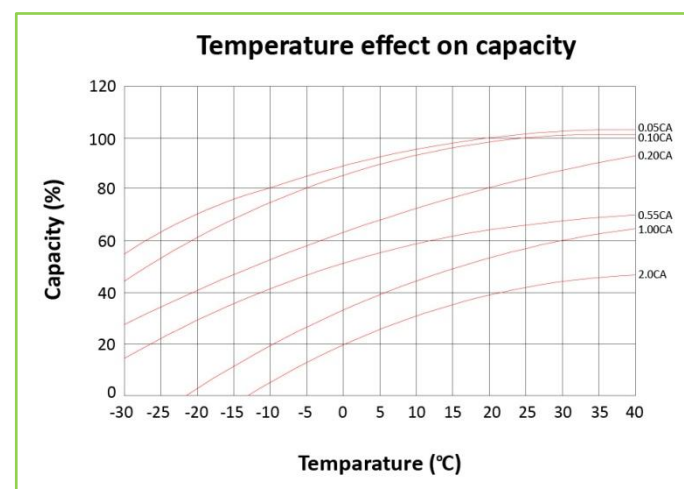
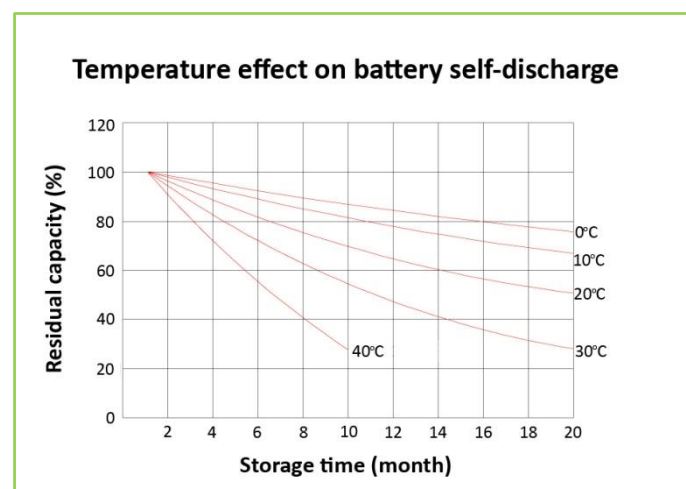
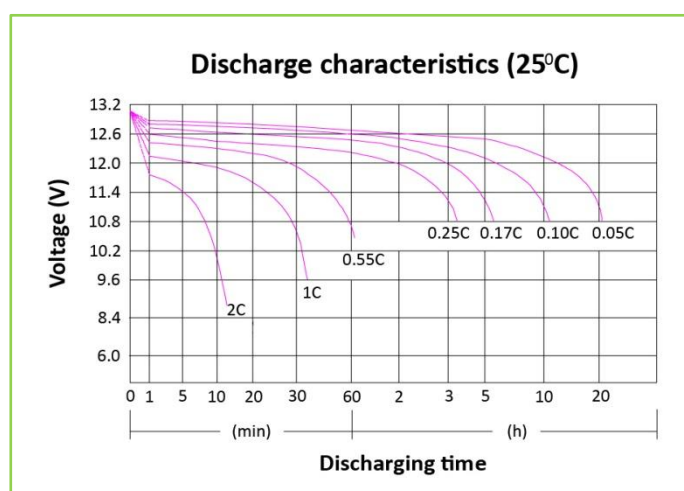
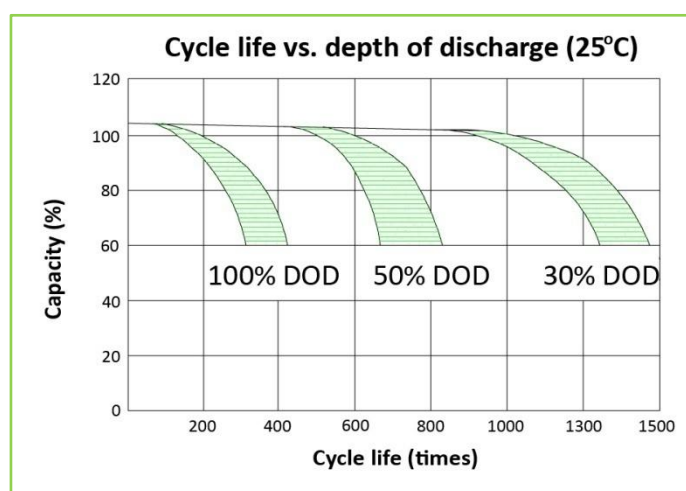
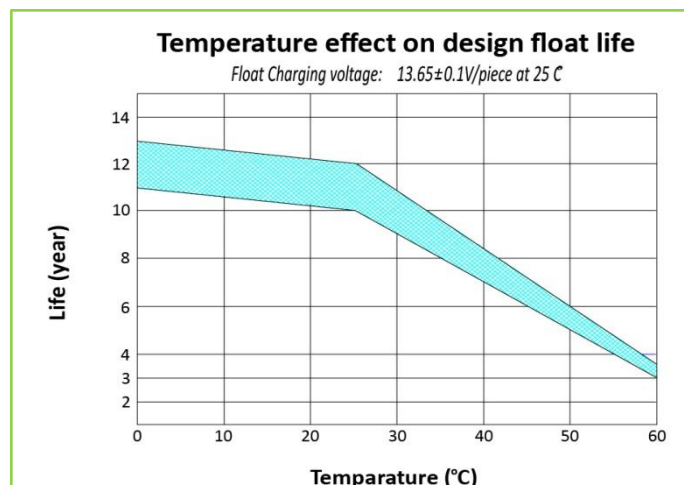
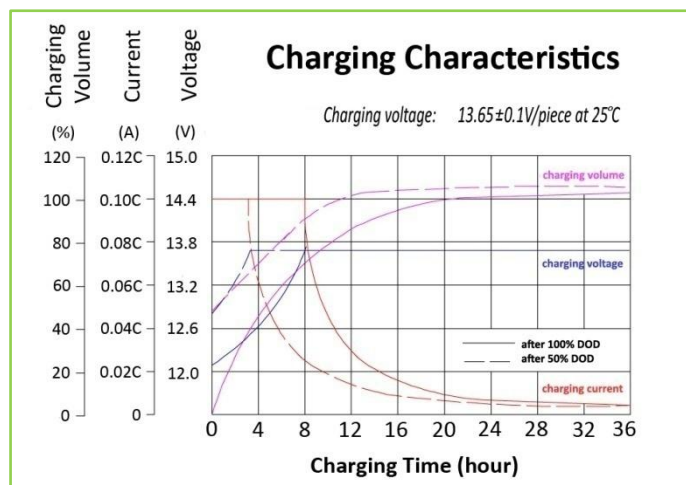
Packaging

Battery Dimensions	Length	197mm
	Width	165mm
	Height	170mm
	Total Height	170mm
Box Dimensions	Length	213mm
	Width	179mm
	Height	211mm
Quantity per Box		1 PC per box
Net Weight per Cell		12.2kg±3%
Net Weight per Box		12.2kg
Gross Weight		12.5kg

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	100.6	71.7	64.2	39.9	28.6	25.3	15.4	11.3	7.3	4.4	3.95	2.19
1.65V	88.7	66.3	61.5	38.9	27.9	24.6	15.1	11.1	7.1	4.4	3.91	2.17
1.70V	79.5	61.5	58.8	37.8	27.1	23.9	14.8	10.9	7.0	4.3	3.88	2.15
1.75V	72.0	57.4	56.1	36.7	26.3	23.2	14.5	10.6	6.9	4.3	3.84	2.13
1.80V	63.8	51.7	53.5	35.6	25.6	22.6	14.1	10.3	6.8	4.3	3.80	2.11
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	187.6	133.7	119.7	74.5	53.4	47.1	28.7	21.0	13.5	8.3	7.4	4.1
1.65V	165.4	123.7	114.7	72.5	52.0	45.9	28.2	20.6	13.3	8.2	7.3	4.1
1.70V	148.3	114.7	109.7	70.5	50.6	44.6	27.7	20.2	13.1	8.1	7.2	4.0
1.75V	134.4	107.1	104.7	68.5	49.1	43.4	27.0	19.8	12.9	8.0	7.2	4.0
1.80V	119.1	96.4	99.7	66.5	47.7	42.1	26.4	19.3	12.8	7.9	7.1	3.9

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 acide

*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.