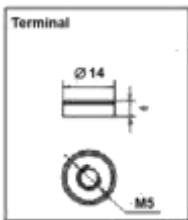
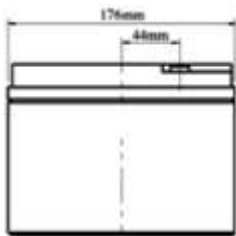
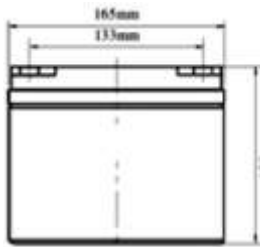
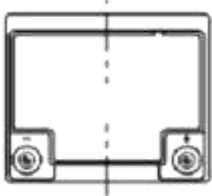


# LP 12-28 VRLA Battery 12V 28Ah



## 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)		26Ah
Capacity 25°C	20 hour rate (1.4 A)	28Ah
	5 hour rate (4.8 A)	24Ah
	1 hour rate (17.3 A)	17.3Ah
Internal Resistance	Full Charged Battery 25°C	≤13mΩ
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 6.5A Voltage 13.6-13.8V
	Cycle	Initial charging Current Less than 6.5A Voltage 14.4-14.9V

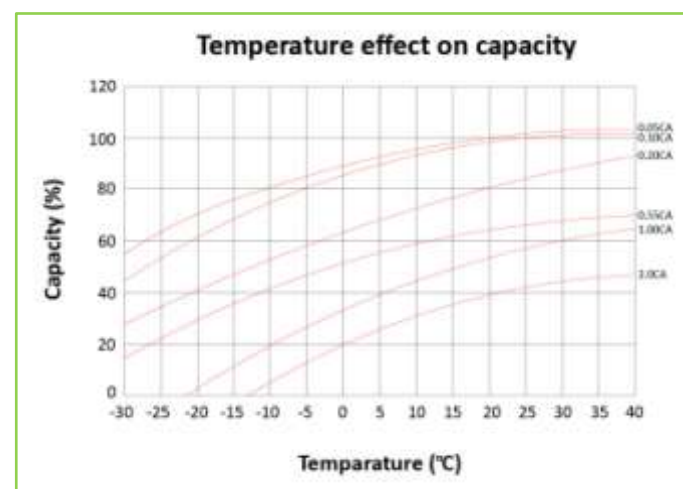
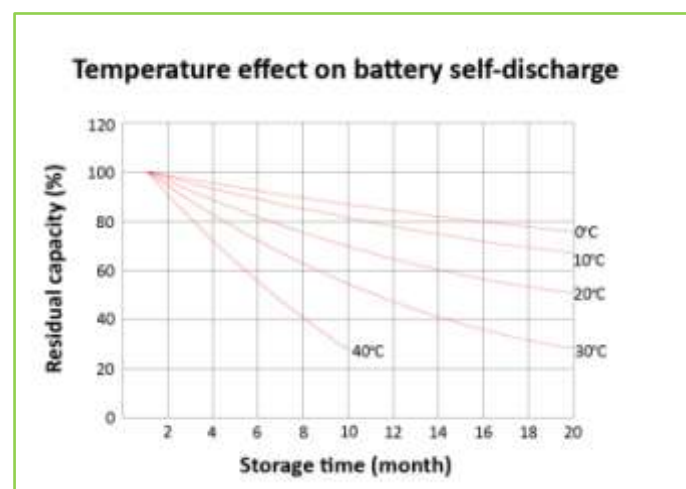
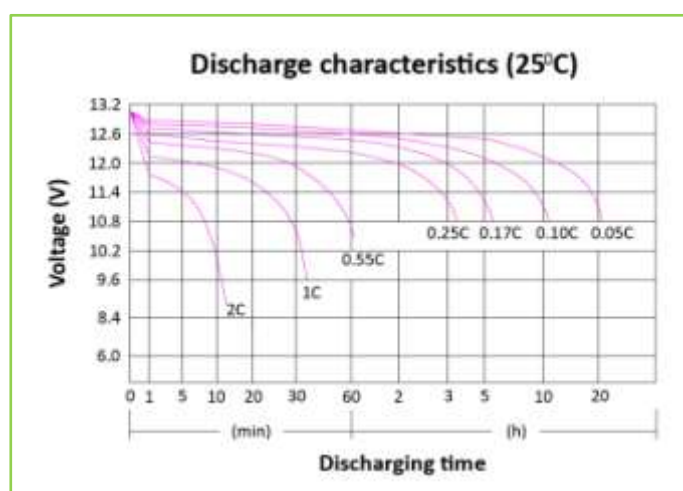
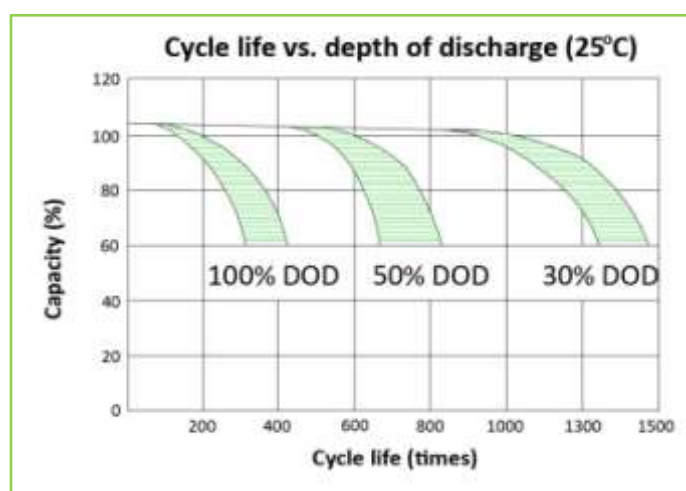
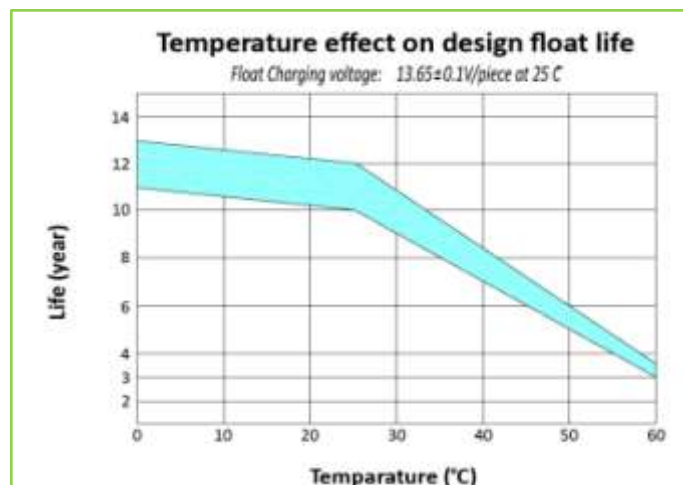
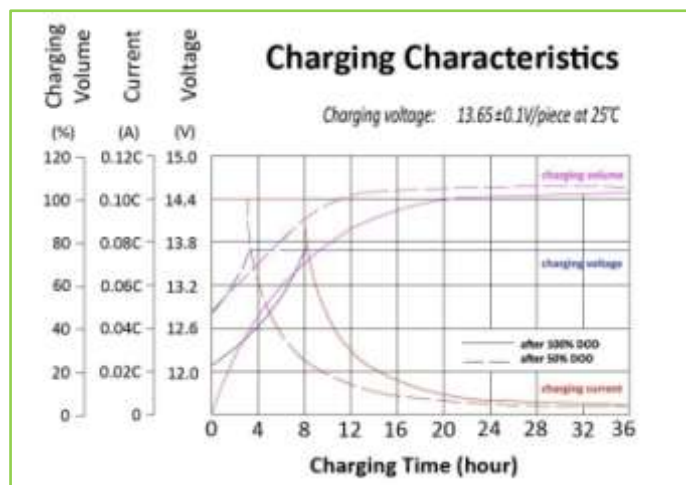
## Packaging

Battery Dimensions	Length	166mm
	Width	176mm
	Height	125mm
	Total Height	125mm
Box Dimensions	Length	371mm
	Width	180mm
	Height	172mm
Quantity per Box		2 PC per box
Net Weight per Cell		8.4kg±3%
Net Weight per Box		16.8kg
Gross Weight		17.3kg

## 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	87.4	58.2	43.9	27.3	19.6	17.3	10.5	7.7	5	3.0	2.7	1.50
1.65V	80.6	53.7	42.1	26.6	19.1	16.8	10.3	7.6	4.9	3.0	2.68	1.49
1.70V	82.0	54.6	40.2	25.9	18.5	16.4	10.2	7.4	4.8	3.0	2.65	1.47
1.75V	72.4	48.2	38.4	25.1	18.0	15.9	9.9	7.2	4.8	2.9	2.63	1.46
1.80V	68.3	45.5	36.6	24.4	17.5	15.4	9.7	7.1	4.7	2.9	2.60	1.44
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	163.1	108.6	81.9	50.9	36.5	32.3	19.7	14.4	9.3	5.6	5.0	2.8
1.65V	150.3	100.1	78.5	49.6	35.6	31.4	19.3	14.1	9.1	5.6	5.0	2.8
1.70V	152.9	101.8	75.0	48.2	34.6	30.5	18.9	13.8	9.0	5.5	4.9	2.7
1.75V	135.0	89.9	71.6	46.8	33.6	29.7	18.5	13.5	8.9	5.5	4.9	2.7
1.80V	127.4	84.9	68.2	45.5	32.6	28.8	18.0	13.2	8.7	5.4	4.8	2.7

## 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.