

PLH-100FT(12V100AH)

Applications

- Telecommunication
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment

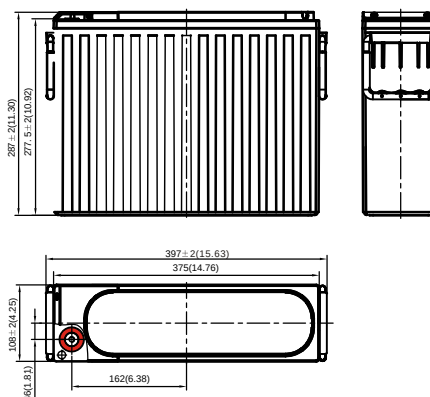


Features

- Long Life: 20 years design life
- High temperature battery
- Low self-discharge rate
- Fast charging acceptance
- High rate discharge performance
- Flame retardant container UL94-V0
- 2 years shelf life @25 °C

Layout

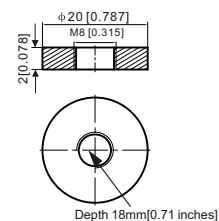
Unit: mm [inches]



Terminal

Terminal Model: T11

Unit: mm [inches]



ISO9001 ISO14001

ANHUI UPLUS ENERGY TECHNOLOGY CO., LTD.

www.uplus-battery.com

Publication No.: UB-PLH-20150701

Long Float Life and High Temperature series

PLH-100FT(12V100AH)

Specification

Nomial Voltage	12V		
Rated Capacity (Ah)	10hr	100Ah	@25°C to 1.80V/cell
	8hr	96Ah	@25°C to 1.75V/cell
	10hr	105Ah	@35°C to 1.80V/cell
	8hr	100Ah	@35°C to 1.75V/cell
Dimension	Length		397±3mm
	Width		108±2mm
	Height		287±3mm
	Total Height		287±3mm
Approx Weight	Approx 31.0 Kg		
Terminal	T11		
Container Material	ABS		
Max. Discharge Current	1200A (5s)		
Internal Resistance	Approx 4.5mΩ		
Operating Temp.Range	Discharge : -40～65°C		
	Charge : 0～40°C		
	Storage : -20～40°C		
Capacity affected by Temperature	40°C	106%	
	35°C	105%	
	25°C	100%	
	0°C	86%	
Self Discharge	PLH series batteries can be stored up to 24 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.		



Performance - 25 °C

Constant Current Discharge (Amperes) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	180.9	152.1	131.3	99.6	72.7	56.7	31.9	23.6	19.5	16.6	11.7	9.79	5.10
1.80V/cell	203.3	170.1	141.4	105.2	75.9	59.5	33.4	24.8	20.3	17.1	11.9	10.0	5.20
1.75V/cell	221.2	179.3	147.8	108.3	77.7	60.9	34.4	25.5	20.7	17.4	12.0	10.1	5.26
1.70V/cell	236.2	189.6	155.2	112.2	79.6	62.2	35.0	26.0	21.0	17.7	12.2	10.1	5.30
1.67V/cell	251.7	199.2	162.3	116.6	82.4	64.1	35.9	26.6	21.5	18.0	12.3	10.2	5.35
1.60V/cell	265.8	208.4	168.9	120.4	84.8	65.8	37.0	27.2	21.9	18.3	12.5	10.3	5.39

Constant Power Discharge (Watts) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	8h	10h	20h
1.85V/cell	343.1	290.4	252.7	194.0	143.5	112.5	63.8	47.3	39.2	33.5	23.6	19.9	10.4
1.80V/cell	380.8	321.1	269.4	203.5	149.2	117.3	66.4	49.5	40.6	34.5	24.0	20.3	10.6
1.75V/cell	408.7	335.3	279.3	207.7	151.7	119.5	68.0	50.7	41.4	34.9	24.2	20.4	10.7
1.70V/cell	430.4	350.2	290.4	213.5	154.5	121.3	68.9	51.5	41.8	35.3	24.4	20.4	10.7
1.67V/cell	453.6	364.4	301.1	220.8	158.9	124.4	70.4	52.5	42.6	35.8	24.7	20.5	10.8
1.60V/cell	470.5	375.2	308.8	225.4	162.0	126.4	71.9	53.2	43.2	36.2	24.9	20.5	10.8