

LFP12150FT(12V150Ah)

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	150 Ah
	5HR(10.5V)	131Ah
	1HR(9.60V)	93Ah
Dimension	Length	551 ± 3mm (21.69inch)
	Width	110 ± 2mm (4.33inch)
	Height	287 ± 2mm (11.30inch)
	Total Height	287 ± 2mm (11.30inch)
Approx. Weight		45.5kg (101.2 lbs) ± 4%
Terminal type		T11
Internal resistance (Fully charged, 25°C)		Approx. 4mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 50°C (5°F ~ 122°F)
	Charge	-10°C ~ 50°C (14°F ~ 122°F)
	Storage	-20°C ~ 50°C (-4°F ~ 122°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.50 to 14.90V Temperature compensation: -30mV/°C
Maximum charging current		45A
Terminal material		Copper
Maximum discharge current		1200A(5 sec.)
Designed floating life(20°C)		15 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.
- ◆ 15 Years long life designed floating life .

Constant Current Discharge Characteristics (A, 25°C)

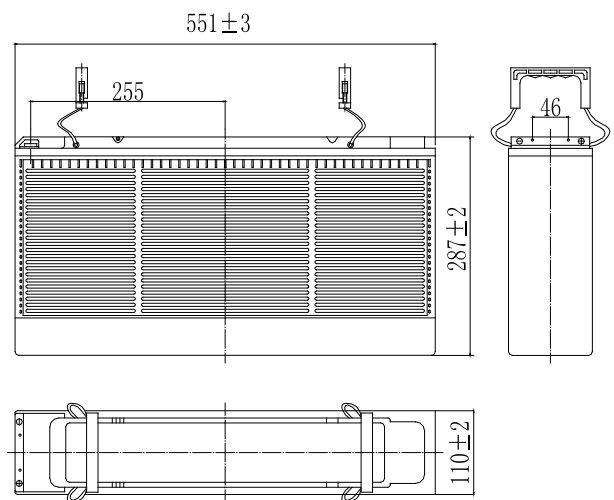
F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
1.60v/cell	473	315	243	147	93.0	54.8	38.3	31.4	26.8	23.4	18.4	15.3	8.02
1.65v/cell	458	306	237	144	91.6	54.5	38.0	31.2	26.6	23.3	18.3	15.2	8.00
1.70v/cell	440	293	228	140	89.3	54.0	37.8	31.0	26.4	23.1	18.1	15.2	7.98
1.75v/cell	421	280	220	136	87.5	53.2	37.5	30.8	26.3	23.0	18.0	15.1	7.93
1.80v/cell	397	265	209	131	84.8	51.8	36.4	29.8	25.5	22.3	17.5	15.0	7.88

Constant Power Discharge Characteristics (Watt, 25°C)

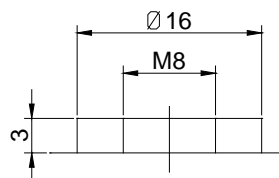
F.V/TIME	5min	10mi	15mi	30mi	60mi	2h	3h	4h	5h	6h	8h	10h	20h
1.60v/cell	827	567	453	275	177	106	75.0	61.5	52.7	46.2	36.3	30.3	16.0
1.65v/cell	802	550	442	269	174	105	74.5	61.2	52.5	45.8	36.2	30.3	16.0
1.70v/cell	769	527	426	261	170	104	74.0	60.7	52.0	45.5	35.8	30.2	16.0
1.75v/cell	736	505	411	255	166	103	73.5	60.3	51.7	45.2	35.7	30.0	15.9
1.80v/cell	695	476	390	246	161	100	71.3	58.5	50.2	43.8	34.5	29.8	15.8

Note: The above characteristics data can be obtained within three charge/discharge cycles. Page 1 of 2

Dimensions



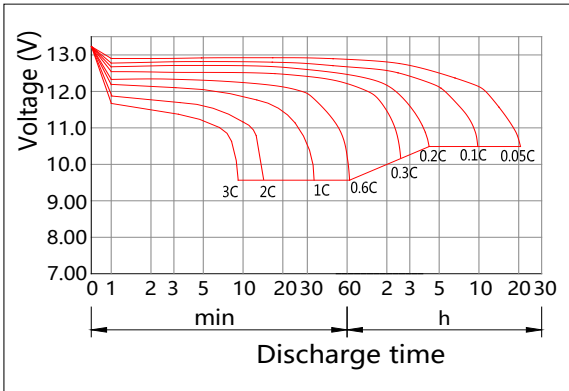
Terminal



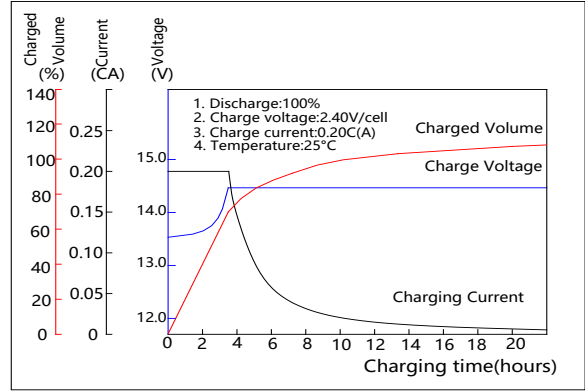
Terminal T11

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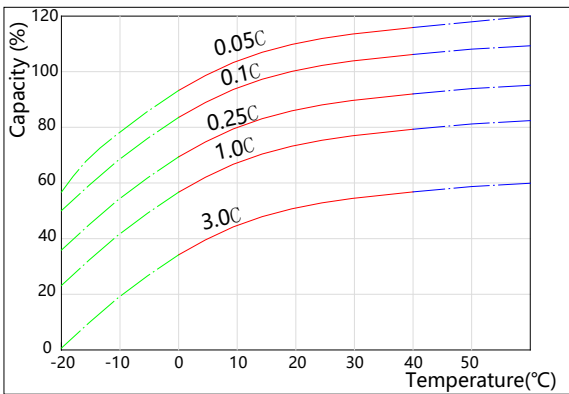
Discharge Characteristics(25°C)



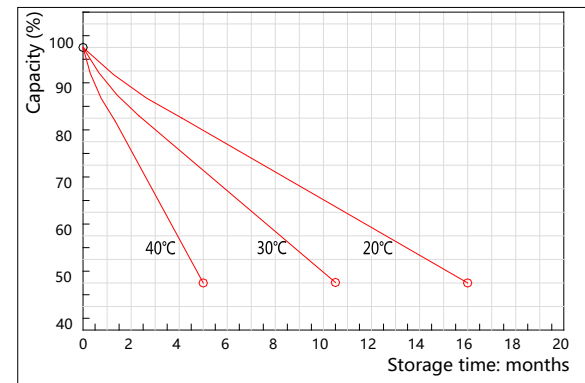
Charging Characteristics(25°C)



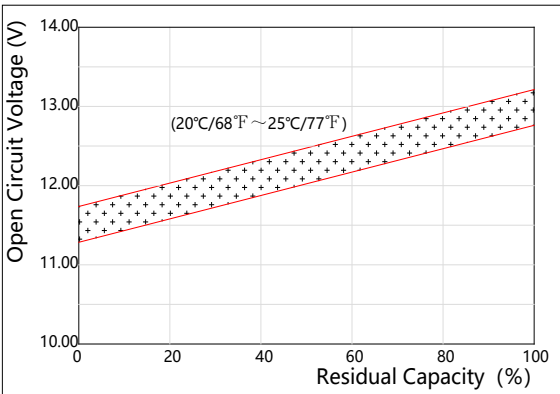
Effect of Temperature on Capacity



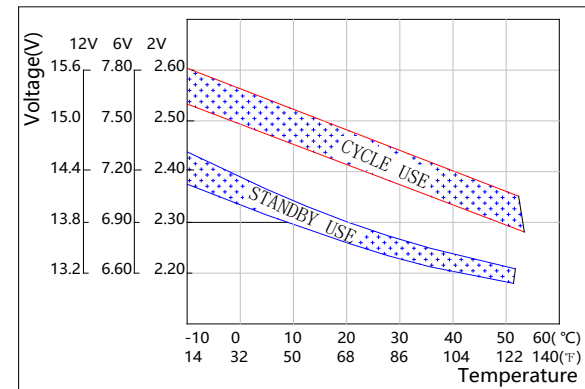
Self-discharge Characteristics



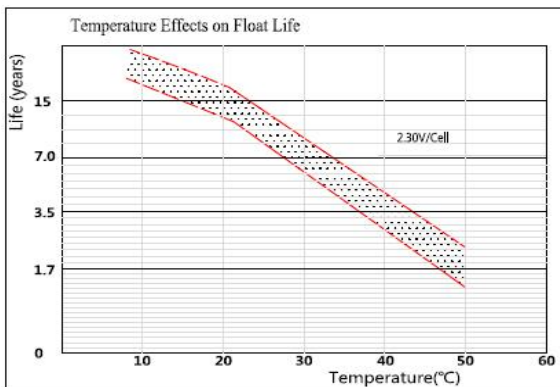
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

