

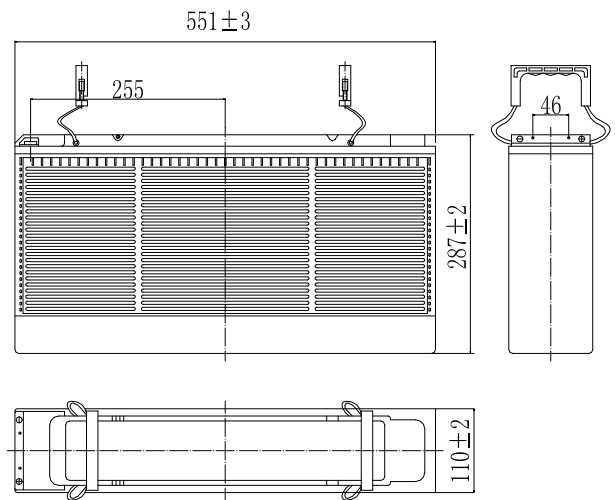
LFP12150FTHT(12V150Ah)

Specifications

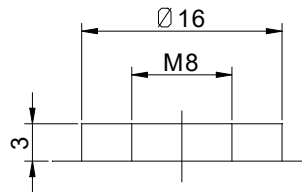
Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	150 Ah
	5HR(10.8V)	122.5Ah
	1HR(9.60V)	87.4Ah
Dimension	Length	551 ± 3mm (21.69inch)
	Width	110 ± 2mm (4.33inch)
	Height	287 ± 2mm (11.30inch)
	Total Height	287 ± 2mm (11.30inch)
Approx. Weight		48.0kg (105.6lbs) ± 4%
Terminal type		T11/M8
Internal resistance (Fully charged, 35°C)		Approx. 5.0 mΩ
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (35°C)	3 month	Remaining Capacity: 90%
	6 month	Remaining Capacity: 80%
	12 month	Remaining Capacity: 60%
Nominal operating temperature		25°C ~ 35°C (77°F ~ 95°F)
Operating temperature range	Discharge	-15°C ~ 70°C (5°F ~ 158°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 70°C (-4°F ~ 158°F)
Float charging voltage(35°C)	13.40 to 13.60V Temperature compensation: -18mV/°C	
Equalization charge Voltage(35°C)	13.90 to 14.10V Temperature compensation: -18mV/°C	
Cyclic charging voltage(35°C)	14.20 to 14.40V Temperature compensation: -30mV/°C	
Maximum charging current	30A	
Terminal material	Copper	
Cycles Life(35°C)	1000cycles@80%DOD	
Designed floating life	14years@25°C	7 years@35°C

- ◆ Pure Gelled electrolyte technology;
- ◆ Pure lead & PVC separator & High Temperature
- ◆ Recognized by UL & CE & IEC 60986
- ◆ ABS / U94 V0 Flame retardant container.

Dimensions



Terminal



Terminal T11

Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	90min	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
9.60V	436	291	224	135	87.4	64.1	52.1	36.8	30.1	25.7	22.9	20.3	18.0	16.6	15.2	7.98
9.90V	422	282	218	132	86.1	63.5	51.8	36.5	30.0	25.5	22.8	20.2	17.9	16.5	15.1	7.96
10.2V	405	270	210	129	83.9	62.4	51.3	36.3	29.8	25.3	22.6	20.0	17.7	16.4	15.1	7.94
10.5V	386	258	202	125	82.3	61.4	50.5	36.0	29.6	25.2	22.5	19.9	17.6	16.3	15.0	7.89
10.8V	365	244	192	121	79.7	59.6	49.2	34.9	28.6	24.5	21.9	19.4	17.2	16.0	15.0	7.84

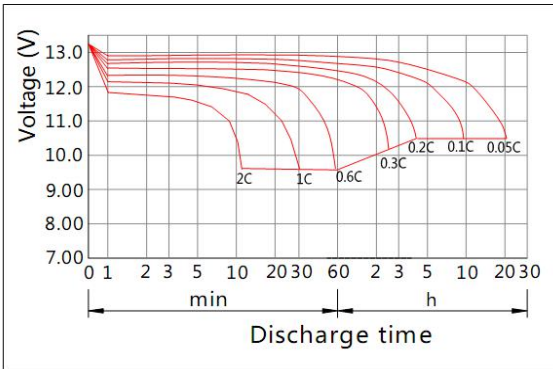
Constant Power Discharge Characteristics (Watt/cell, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	90min	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
9.60V	797	532	408	253	166	123	101	72.0	59.0	50.6	45.3	40.2	35.6	32.9	30.1	15.9
9.90V	772	515	398	247	164	121	99.8	71.5	58.8	50.4	44.9	39.9	35.5	32.8	30.1	15.9
10.2V	741	495	384	240	160	119	98.8	71.0	58.3	49.9	44.6	39.6	35.1	32.5	30.0	15.9
10.5V	707	472	371	235	156	118	97.9	70.6	57.9	49.6	44.3	39.3	35.0	32.4	29.9	15.8
10.8V	668	446	351	226	151	115	95.0	68.4	56.2	48.2	42.9	38.1	33.8	31.8	29.7	15.7

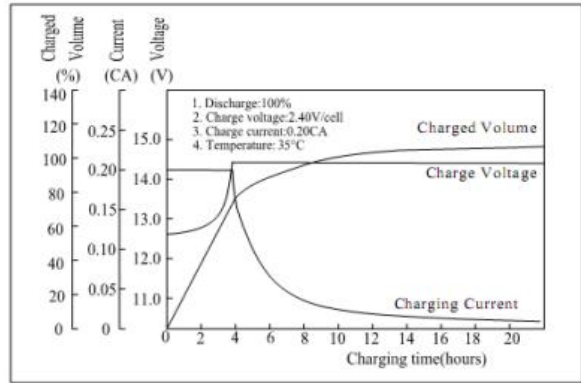
Note: The above characteristics data can be obtained within three charge/discharge cycles.

LFP12150FTHT(12V150Ah)

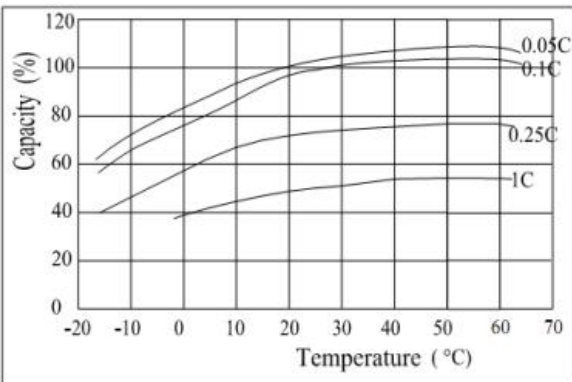
Discharge Characteristics(35°C)



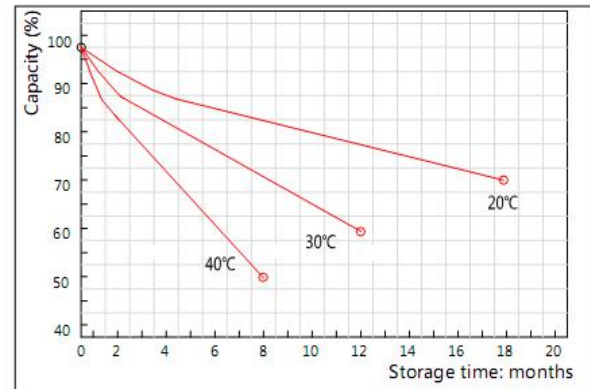
Charging Characteristics(35°C)



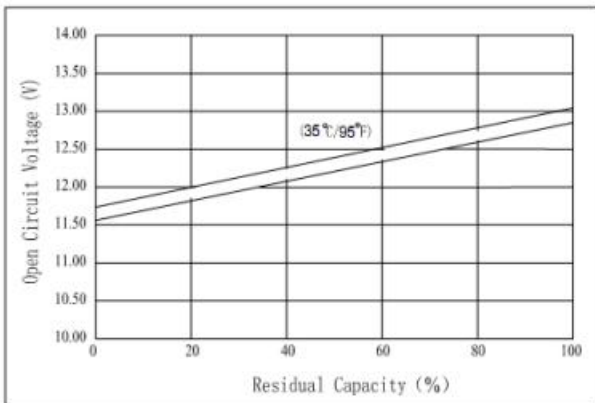
Effect of Temperature on Capacity



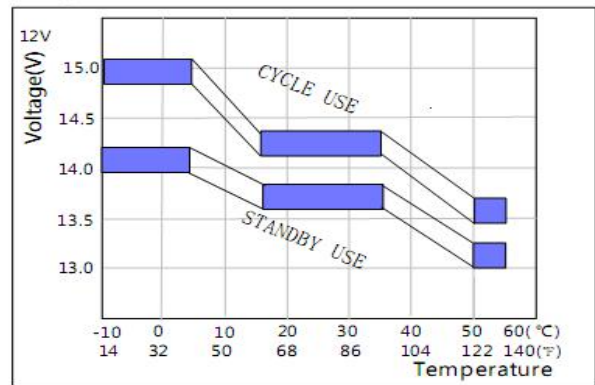
Self-discharge Characteristics



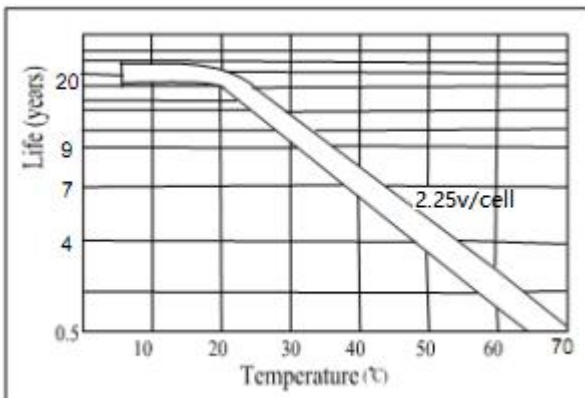
The Relationship for Open Circuit Voltage and Residual Capacity (35°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D.(35°C)

