

LFPG12150FT(12V150Ah)

Specifications

Nominal Voltage		12 V
Capacity (25°C)	20HR(10.5V)	150 Ah
	5HR(10.2V)	124.5 Ah
	1HR(9.6V)	87.2Ah
Dimension	Length	551 ± 3mm (21.69inch)
	Width	110 ± 2mm (4.33inch)
	Height	287 ± 2mm (11.30inch)
	Total Height	287 ± 2mm (11.30inch)
Approx. Weight		47kg (103.4lbs) ± 4%
Terminal type		T9
Internal resistance (Fully charged, 25°C)		Approx. 4m Ω
Capacity affected by temperature (10HR)	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 month	Remaining Capacity: 94%
	6 month	Remaining Capacity: 88%
	12 month	Remaining Capacity: 75%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C ~ 55°C (5°F ~ 131°F)
	Charge	-10°C ~ 55°C (14°F ~ 131°F)
	Storage	-20°C ~ 55°C (-4°F ~ 131°F)
Float charging voltage(25°C)		13.50 to 13.80V Temperature compensation: -18mV/°C
Cyclic charging voltage(25°C)		14.10 to 14.40V Temperature compensation: -30mV/°C
Maximum charging current		30A
Terminal material		Copper
Maximum discharge current		1500A(5 sec.)
Designed floating life(20°C)		15 years

- ◆ Gelled electrolyte technology;
- ◆ PVC separator;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

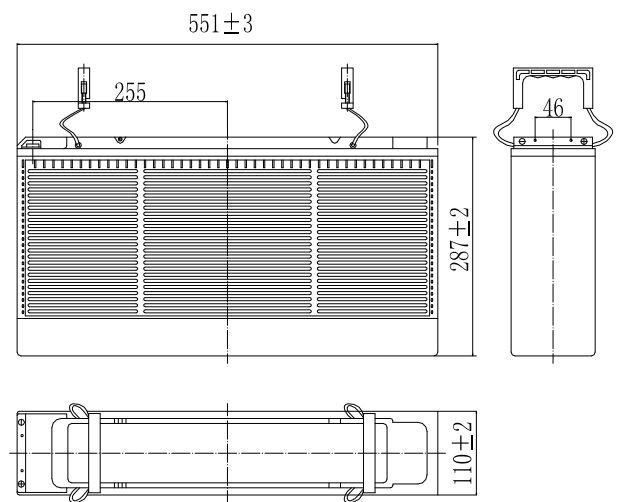
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	225	138	87.2	51.6	36.0	29.6	25.4	22.2	17.4	14.5	7.59	---	---
9.90V	219	135	85.8	51.3	35.7	29.4	25.2	22.1	17.3	14.4	7.56	---	---
10.2V	212	131	83.6	50.9	35.6	29.1	24.9	21.9	17.1	14.4	7.55	3.35	---
10.5V	204	127	81.9	50.1	35.3	29.0	24.9	21.8	17.0	14.3	7.50	3.33	1.38
10.8V	194	123	79.4	48.8	34.2	28.1	24.2	21.2	16.5	14.2	7.46	3.33	1.38

Constant Power Discharge Characteristics (Watt, 25°C)

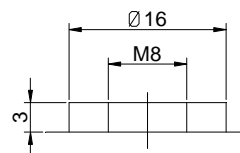
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h	48h	120h
9.60V	2216	1577	995	591	423	333	282	240	188	168	92.4	---	---
9.90V	2162	1547	980	587	422	332	281	239	188	168	92.3	---	---
10.2V	2082	1499	957	582	419	329	278	237	186	168	92.0	40.2	---
10.5V	2012	1463	938	573	416	327	276	236	185	167	90.5	39.9	16.7
10.8V	1905	1410	908	558	402	317	269	228	179	165	90.8	39.9	16.5

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

Dimensions



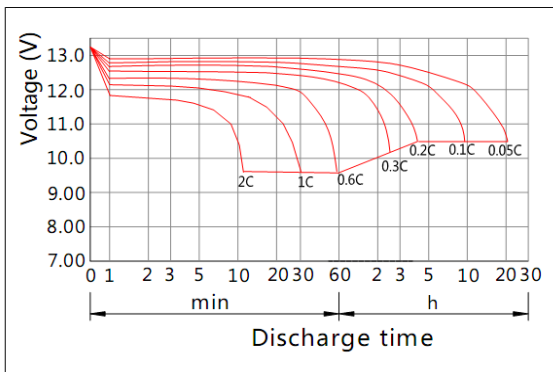
Terminal



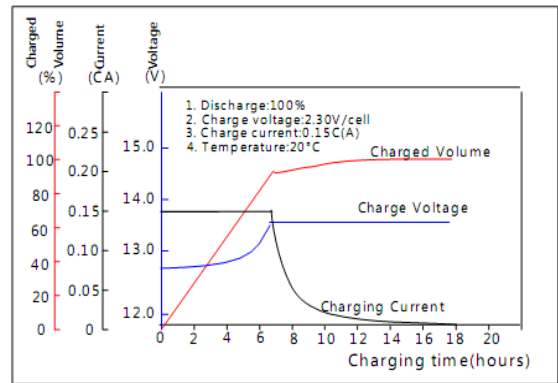
Terminal T11

LFPG12150FT(12V150Ah)

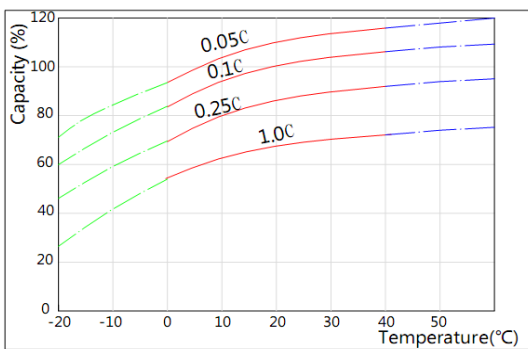
Discharge Characteristics(25°C)



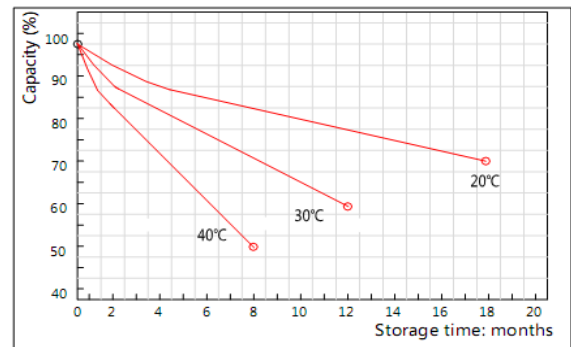
Charging Characteristics(25°C)



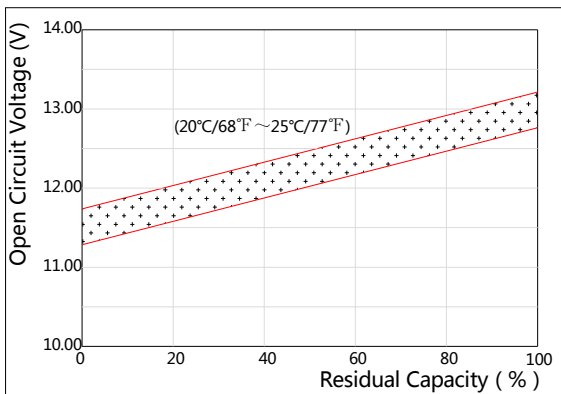
Effect of Temperature on Capacity



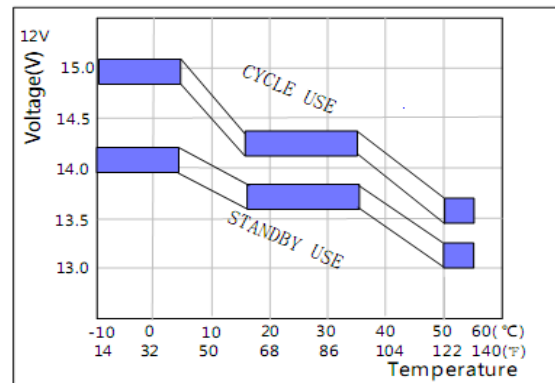
Self-discharge Characteristics



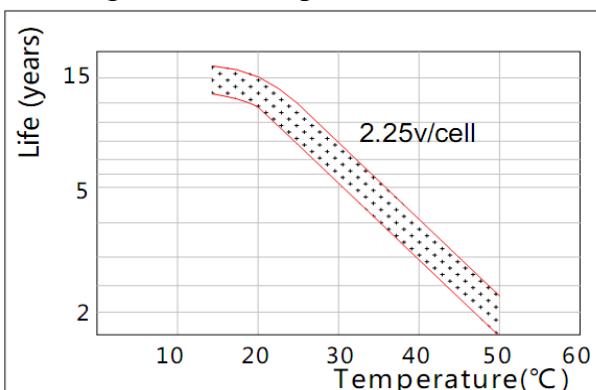
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)

