

LFP12250T(12V250Ah)

Specifications

Nominal Voltage		12 V
Capacity (25°C)	10HR(10.8V)	250 Ah
	5HR(10.5V)	187Ah
	1HR(9.60V)	155Ah
Dimension	Length	521 ± 2mm (20.51inch)
	Width	269 ± 2mm (10.59inch)
	Height	220 ± 2mm (8.66inch)
	Total Height	T5: 242 ± 2mm (9.53inch) T11: 223 ± 2mm (8.78inch)
Approx. Weight		78kg (172.0lbs) ± 3%
Terminal type		T5/T11
Internal resistance (Fully charged, 25°C)		Approx. 2.6m Ω
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 ~ 70°C (5°F ~ 158°F)
	Charge	-10°C ~ 70°C (14°F ~ 158°F)
	Storage	-20°C ~ 70°C (-4°F ~ 158°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		75A
Terminal material		Copper
Maximum discharge current		1800A(5 sec.)
Designed floating life(20°C)		12 years

- ◆ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Constant Current Discharge Characteristics (A, 25°C)

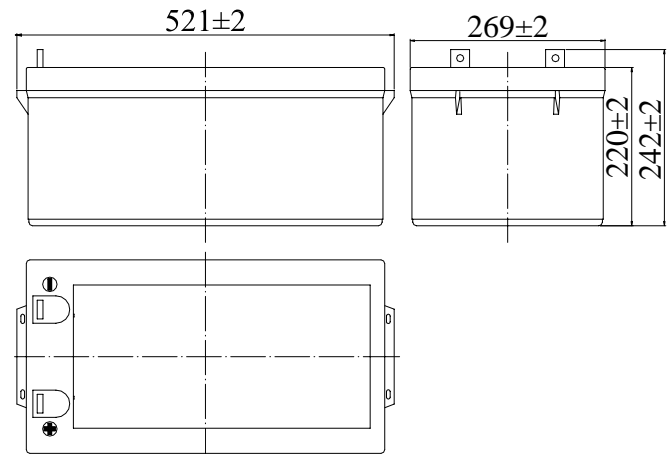
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	404	245	155	91.4	63.8	52.3	44.6	39.0	30.6	25.5	13.4
9.90V	395	240	153	90.8	63.4	52.0	44.4	38.8	30.4	25.4	13.3
10.2V	380	233	149	90.0	62.9	51.6	44.1	38.5	30.2	25.3	13.3
10.5V	367	227	146	88.7	62.5	51.3	43.8	38.3	30.0	25.2	13.2
10.8V	348	219	141	86.4	60.6	49.7	42.4	37.1	29.1	25.0	13.1

Constant Power Discharge Characteristics (Watt, 25°C)

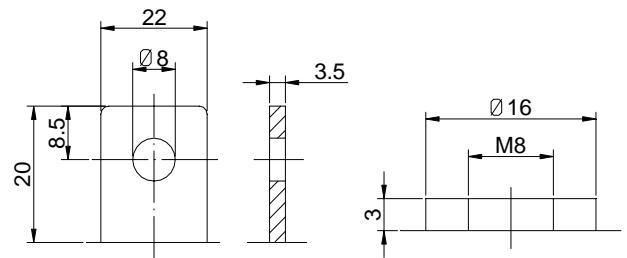
F.V/TIME	15min	30min	60min	2h	3h	4h	5h	6h	8h	10h	20h
9.60V	4439	2749	1767	1058	750	615	527	461	364	304	160
9.90V	4332	2694	1740	1052	745	611	524	458	361	303	160
10.2V	4172	2611	1696	1042	740	607	521	455	359	302	160
10.5V	4030	2548	1663	1027	735	603	517	452	356	301	159
10.8V	3817	2455	1612	1001	713	585	502	439	346	299	158

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

Dimensions



Terminal

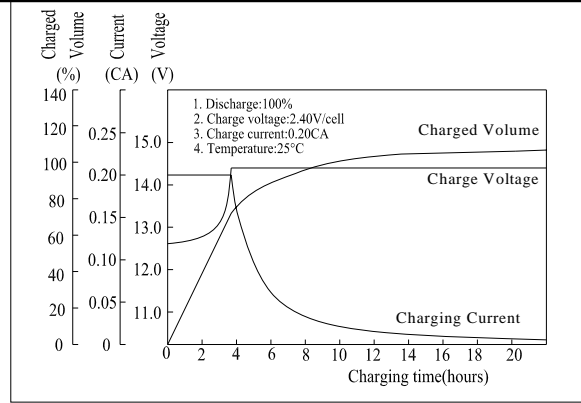
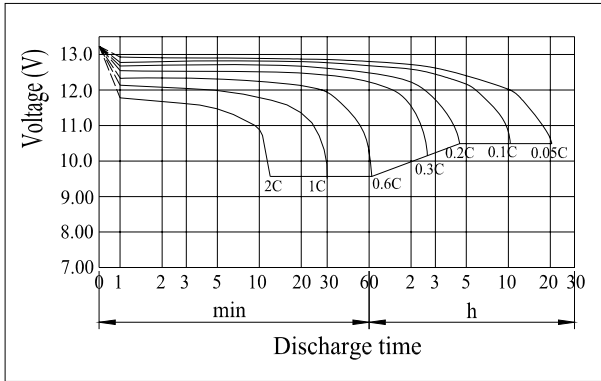


Terminal T5

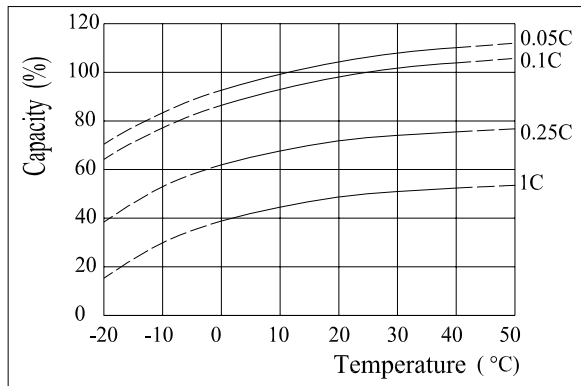
Terminal T11

LFP12250T(12V250Ah)

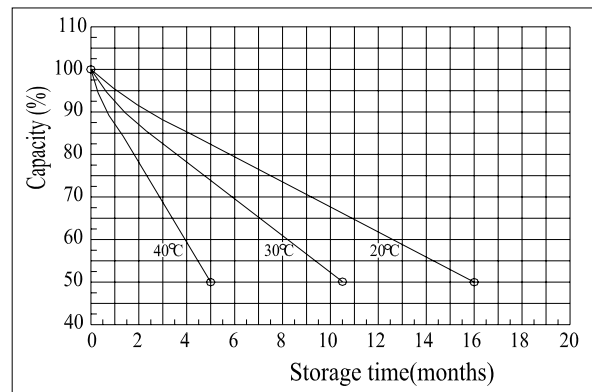
Discharge Characteristics(25°C)



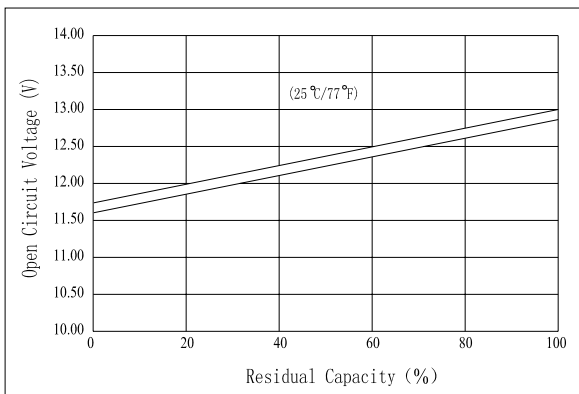
Effect of Temperature on Capacity



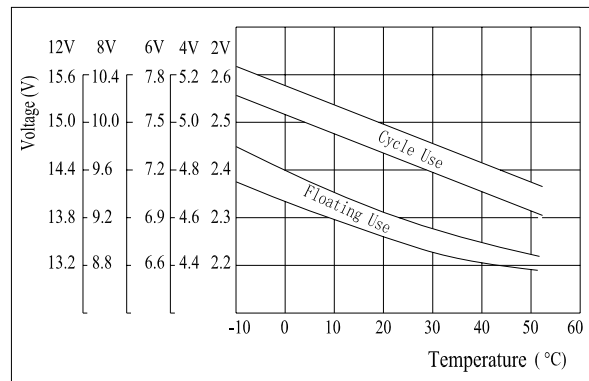
Self-discharge Characteristics



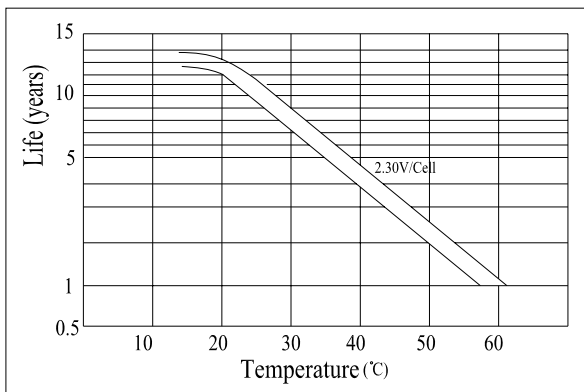
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



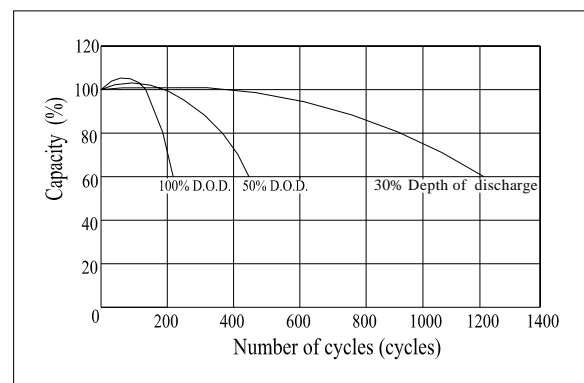
The Relationship for Charging Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(25°C)



Charging Characteristics(25°C)