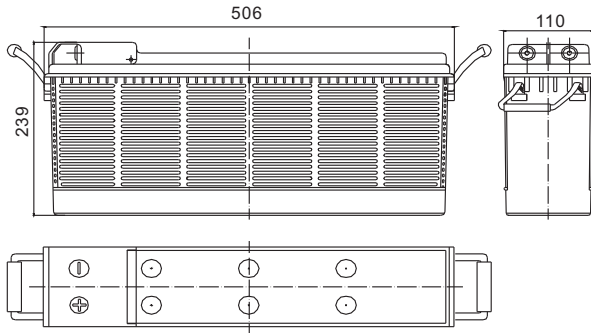


Long Life Series LFP12100FT 12V100Ah

FirstPower®

Dimension(mm)



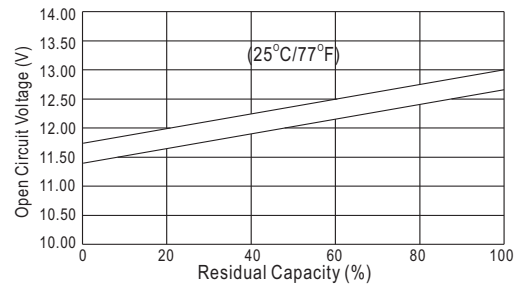
Specification

Nominal Voltage		12 V
Capacity(10HR, 25°C)		100 Ah
Dimension	Length	506mm (19.9inch)
	Width	110mm (4.3inch)
	Height	224mm (8.8inch)
	Total Height	239mm (9.4inch)
Approx. Weight		32.5kg (71.7lbs)

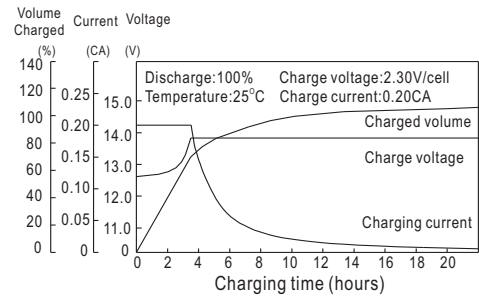
Characteristics

Capacity 20°C (68□) To 1.70V/Cell	20 hour rate	107Ah
	10 hour rate	100Ah
	5 hour rate	91Ah
	1 hour rate	62.4Ah
	15 min rate	41.3Ah
Internal resistance(Fully charged, 25°C)		Approx.5mΩ
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		-15°C~50°C(5°F~122°F)
Float charging voltage(25°C)		13.50 to 13.80V
Cyclic charging voltage(25°C)		14.50 to 14.90V
Maximum charging current		30A
Terminal material		Copper
Maximum discharge current		800A(5 sec.)

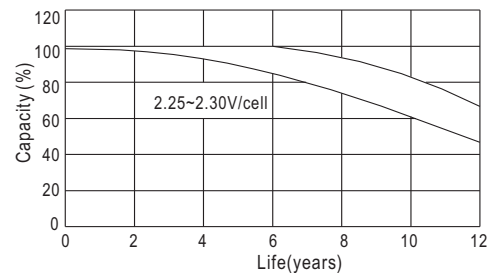
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Charging Characteristics(25°C)



Floating Life Characteristics (25°C)



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	310	213	172	108	65.0	26.4	18.5	10.3	5.35
10.2V	295	202	165	102	62.4	26.0	18.2	10.2	5.35
10.8V	277	190	157	96.7	59.3	25.5	17.8	10.0	5.30

Constant Power Discharge Characteristics (Watt, 25°C)

5min	10min	15min	30min	60min	3h	5h	10h	20h
3255	2300	1889	1183	741	310	219	123	64.2
3092	2185	1813	1142	711	306	215	122	64.2
2907	2054	1722	1085	676	300	210	119	63.6