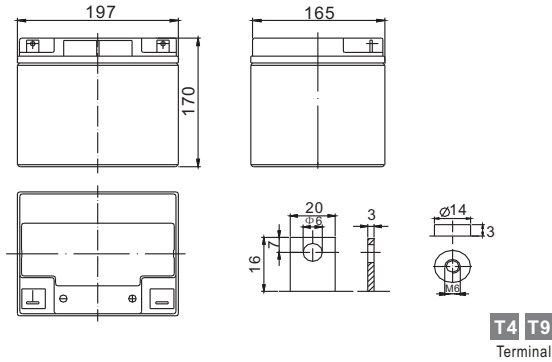


Standard Series LFP1238 12V38Ah

FirstPower®

Dimension



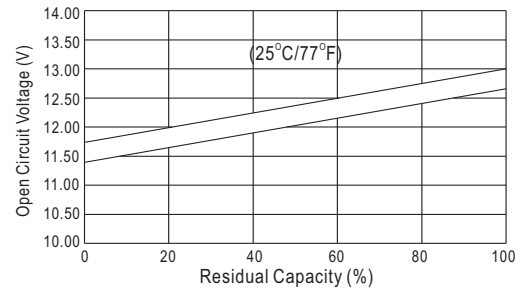
Specification

Nominal Voltage		12 V
Capacity(10HR, 25°C)		38 Ah
Dimension	Length	197mm (7.8inch)
	Width	165mm (6.5inch)
	Height	170mm (6.7inch)
	Total Height(T4/T9)	170mm (6.7inch)/170mm (6.7inch)
Approx. Weight		12.5kg (27.6lbs)

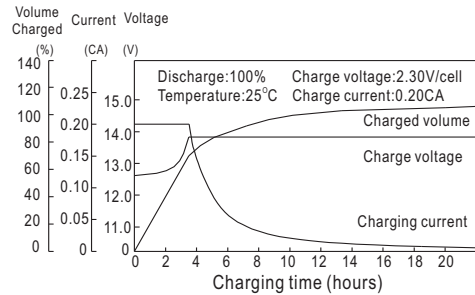
Characteristics

Capacity 20°C (68□) To 1.70V/Cell	20 hour rate	40Ah
	10 hour rate	38Ah
	5 hour rate	34.2Ah
	1 hour rate	23Ah
	15 min rate	15.1Ah
Internal resistance(Fully charged, 25°C)		Approx.9.7m 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		-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		11.4A
Terminal material		Copper
Maximum discharge current		380A(5 Sec.)

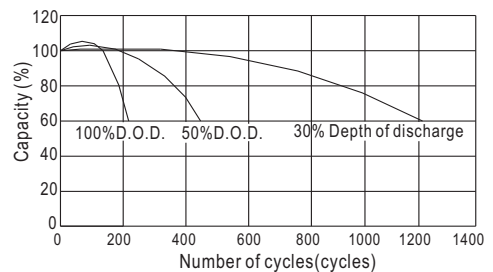
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Charging Characteristics(25°C)



Cycle Life(25°C)



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	120	79.8	62.7	39.5	23.9	9.84	6.94	3.86	2.02
10.2V	114	75.8	60.2	37.9	23.0	9.69	6.84	3.82	2.01
10.8V	107	71.3	57.2	36.0	21.8	9.50	6.70	3.80	2.00

Constant Power Discharge Characteristics (Watt, 25°C)

	5min	10min	15min	30min	60min	3h	5h	10h	20h
1257	862	688	443	273	116	82.1	46.1	24.3	
1194	819	661	426	262	114	80.8	45.6	24.1	
1122	770	628	404	249	112	79.2	45.6	23.9	