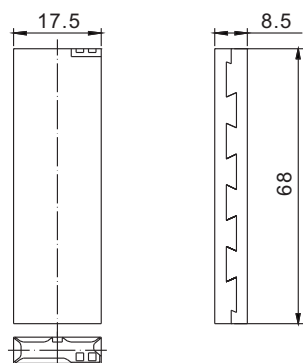


Standard Series

FP205 2V0.5Ah

FirstPower®

Dimension



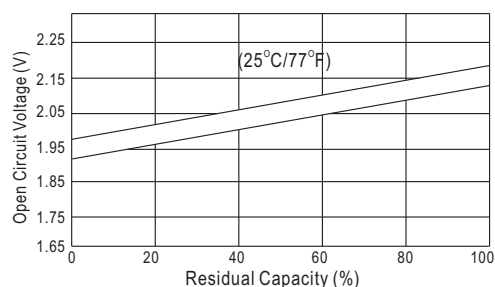
Specification

Nominal Voltage		2 V
Capacity(20HR, 25°C)		0.5Ah
Dimension	Length	17.5mm (0.69inch)
	Width	8.5mm (0.33inch)
	Height	68mm (2.68inch)
	Total Height	68mm (2.68inch)
Approx. Weight		0.03kg (0.07lbs)

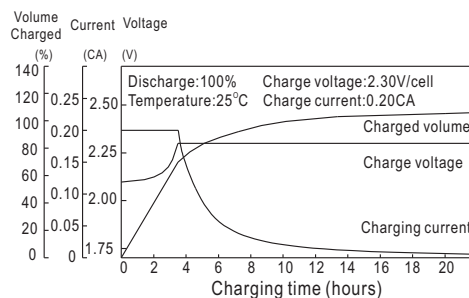
Characteristics

Capacity 20°C (68°F) To 1.70V/Cell	20 hour rate	0.5Ah
	10 hour rate	0.4Ah
	5 hour rate	0.35Ah
	1 hour rate	0.24Ah
	15 min rate	0.17Ah
Internal resistance(Fully charged, 25°C)		Approx.60mΩ
Capacity affected by temperature (20HR)	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)		2.27 to 2.30V
Cyclic charging voltage(25°C)		2.42 to 2.48V
Maximum charging current		0.15A
Terminal material		Copper
Maximum discharge current		7.5A(5 secondary.)

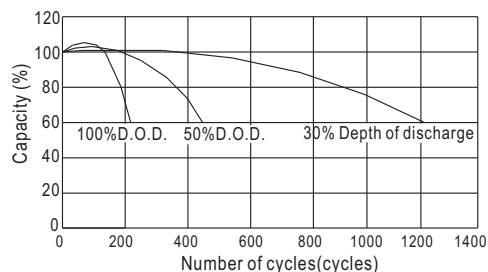
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



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
1.60V	1.40	0.85	0.70	0.40	0.25	0.11	0.07	0.04	0.025
1.70V	1.33	0.81	0.67	0.38	0.24	0.11	0.07	0.04	0.025
1.80V	1.25	0.76	0.64	0.36	0.23	0.11	0.07	0.04	0.025

Constant Power Discharge Characteristics (Watt, 25°C)

	5min	10min	15min	30min	60min	3h	5h	10h	20h
2.60	1.60	1.33	0.76	0.48	0.22	0.14	0.08	0.05	
2.47	1.52	1.28	0.73	0.46	0.22	0.14	0.08	0.05	
2.33	1.43	1.21	0.70	0.44	0.21	0.14	0.08	0.05	