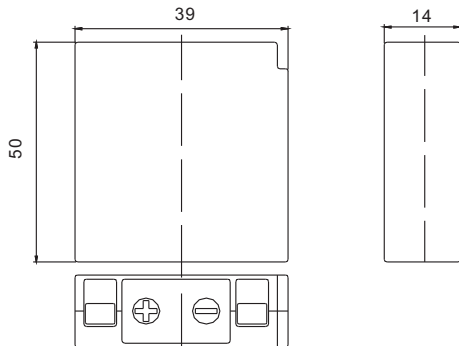


Standard Series FP405 4V0.4Ah

FirstPower®

Dimension(mm)



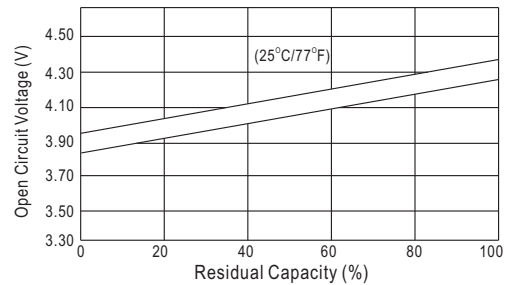
Specification

Nominal Voltage	4 V	
Capacity(20HR, 25°C)	0.4 Ah	
Dimension	Length	39mm (1.54inch)
	Width	14mm (0.55inch)
	Height	50mm (1.97inch)
	Total Height	50mm (1.97inch)
Approx. Weight	0.07kg (0.15lbs)	

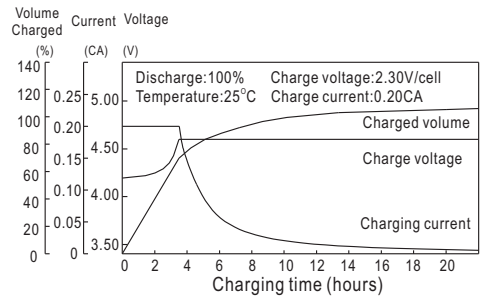
Characteristics

Capacity 20°C (68°F) To 1.70V/Cell	20 hour rate	0.4Ah
	10 hour rate	0.37Ah
	5 hour rate	0.35Ah
	1 hour rate	0.24Ah
	15 min rate	0.17Ah
Internal resistance(Fully charged, 25°C)	Approx. 130m Ω	
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)	4.50 to 4.60V	
Cyclic charging voltage(25°C)	4.85 to 4.95V	
Maximum charging current	0.15A	
Terminal material	Copper	
Maximum discharge current	7.5A(5 Sec.)	

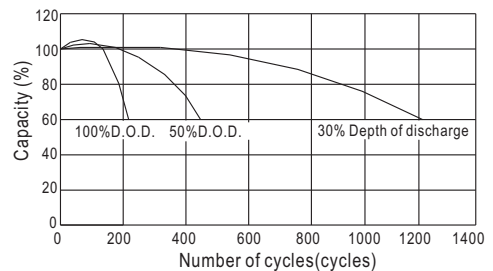
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



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
3.20V	1.40	0.85	0.70	0.40	0.25	0.10	0.07	0.037	0.020
3.40V	1.33	0.81	0.67	0.38	0.24	0.09	0.07	0.037	0.020
3.60V	1.25	0.76	0.64	0.36	0.23	0.09	0.06	0.036	0.020

Constant Power Discharge Characteristics (Watt, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
5.21	3.20	2.66	1.53	0.96	0.38	0.27	0.15	0.08	
4.95	3.04	2.55	1.47	0.92	0.37	0.26	0.15	0.08	
4.65	2.85	2.43	1.39	0.88	0.36	0.26	0.15	0.08	