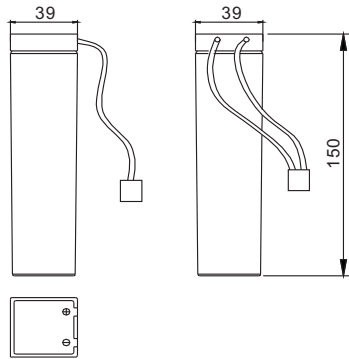


# Standard Series FP640WA 6V3.6Ah

**FirstPower®**

## Dimension(mm)



**Plug**  
Terminal



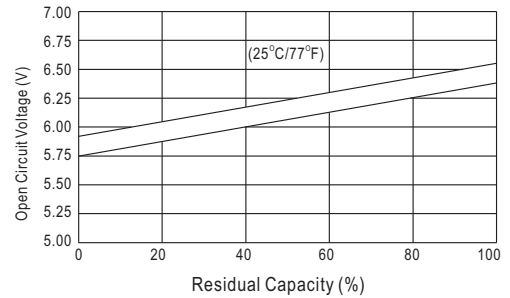
## Specification

Nominal Voltage		6 V
Capacity(20HR, 25°C)		3.6 Ah
Dimension	Length	39mm (1.54inch)
	Width	39mm (1.54inch)
	Height	150mm (5.91inch)
	Total Height	150mm (5.91inch)
Approx. Weight		0.62kg (1.37lbs)

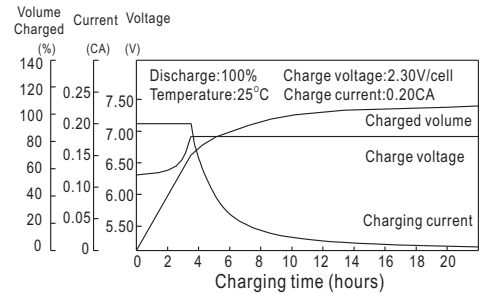
## Characteristics

Capacity 20°C (68□) To 1.70V/Cell	20 hour rate	3.6Ah
	10 hour rate	3.3Ah
	5 hour rate	3.1Ah
	1 hour rate	2.27Ah
	15 min rate	/
Internal resistance(Fully charged, 25°C)		Approx. 55mΩ
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)		6.80 to 6.90V
Cyclic charging voltage(25°C)		7.25 to 7.45V
Maximum charging current		1.2A
Terminal material		Wire
Maximum discharge current		10A(5 Sec.)

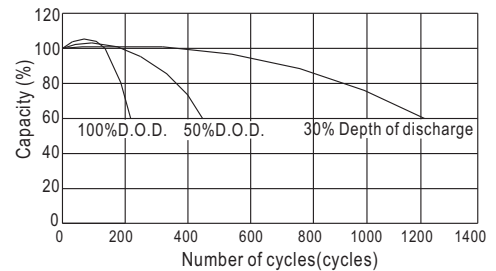
## The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



## 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
4.80V	--	--	--	--	2.36	0.92	0.63	0.33	0.18
5.10V	--	--	--	--	2.27	0.90	0.62	0.33	0.18
5.40V	--	--	--	--	2.15	0.88	0.61	0.33	0.18

## Constant Power Discharge Characteristics (Watt, 25°C)

5min	10min	15min	30min	60min	3h	5h	10h	20h
--	--	--	--	13.68	5.45	3.77	2.02	1.10
--	--	--	--	13.14	5.36	3.72	2.00	1.09
--	--	--	--	12.42	5.26	3.65	2.00	1.08