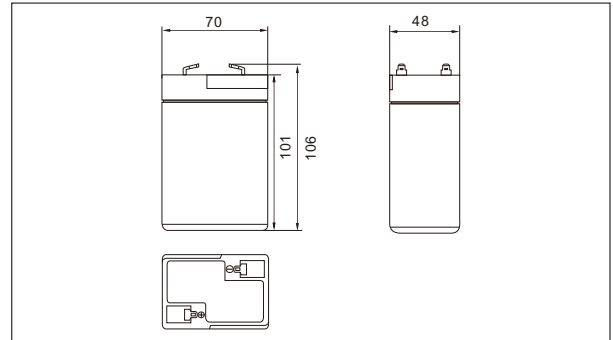




# SW650E(6V5.0AH)



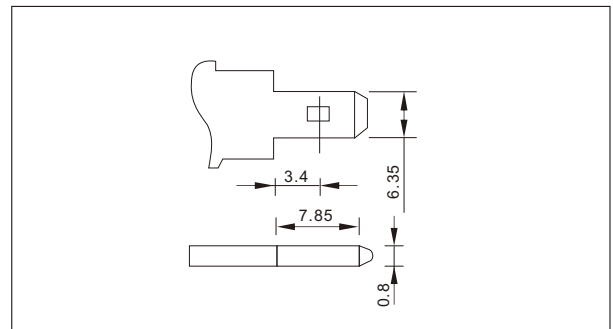
### Outer dimensions (mm)



### Specifications

Nominal Voltage	6 V	
Rated capacity (20 hour rate)	5.0 Ah	
Dimensions	Total Height	106 mm(4.17 inches)
	Height	101 mm(3.98inches)
	Length	70 mm(2.76 inches)
	Width	48 mm(1.89 inches)
Weight Approx	0.76 Kg(1.70 lbs)	

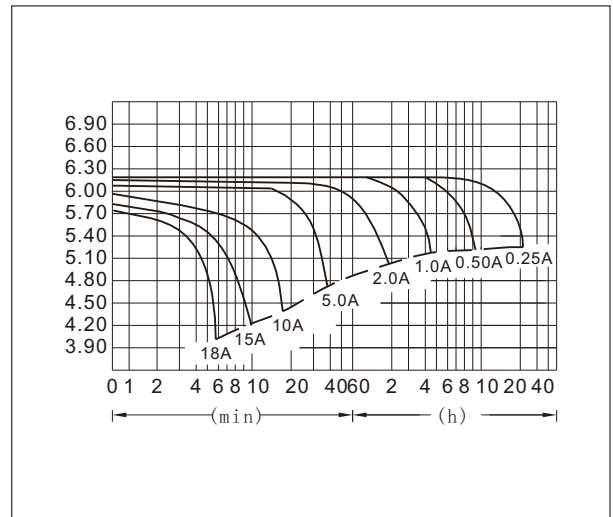
### Terminal Type (mm)



### Characteristics

Capacity 25°C(77°F)	20 hour rate(0.25A)	5.00 AH
	10 hour rate(0.46A)	4.60 AH
	5 hour rate(0.85A)	4.25 AH
	1 hour rate(3.00A)	3.00 AH
	1.5 hour discharge to 5.25 V	2.0 A
Internal Resistance	Full charged Battery at 25°C(77°F)	18 mΩ
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
	Self-Discharge at 25°C(77°F)	Capacity after 3 month storage
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T1	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 2.0A Voltage 7.05-7.20 V
	Float	Voltage 6.75-6.90 V

### Discharge Curves 25°C(77°F)



Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
4.80V	A	18.0	11.3	8.75	5.75	3.00	1.75	1.29	1.03	0.88	0.58	0.47	0.26
	W	106.1	66.7	50.4	30.5	17.3	10.1	7.4	6.0	5.1	3.3	2.7	1.50
5.10V	A	16.5	11.0	8.04	5.46	2.82	1.68	1.25	1.00	0.86	0.57	0.46	0.25
	W	99.9	65.6	47.4	30.3	16.3	9.7	7.2	5.8	5.0	3.3	2.7	1.46
5.25V	A	15.3	10.6	7.50	5.29	2.73	1.65	1.23	0.95	0.85	0.56	0.46	0.25
	W	96.5	61.3	45.3	30.0	15.8	9.5	7.1	5.5	4.9	3.3	2.7	1.45
5.40V	A	13.9	10.08	7.00	5.05	2.63	1.60	1.21	0.93	0.81	0.55	0.45	0.24
	W	92.1	59.4	43.6	29.9	15.3	9.3	7.0	5.4	4.7	3.1	2.6	1.42
5.55V	A	12.1	9.50	6.50	4.70	2.54	1.56	1.15	0.92	0.78	0.53	0.44	0.24
	W	71.8	57.4	41.6	29.7	15.1	9.3	6.8	5.4	4.6	3.0	2.6	1.41