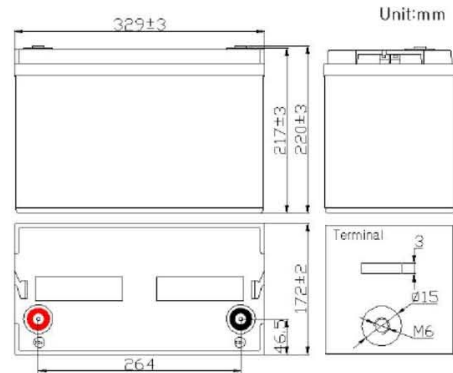


# BA10-2

## Securi-Prod Deep Cycle Battery 12V-100AH

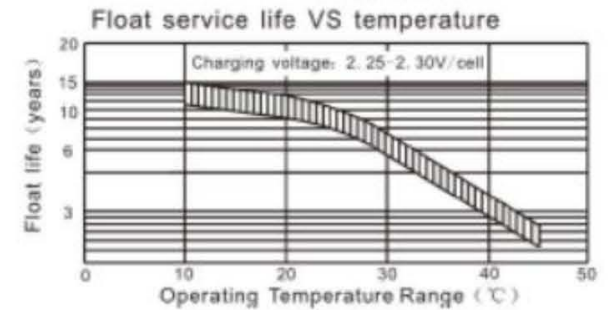
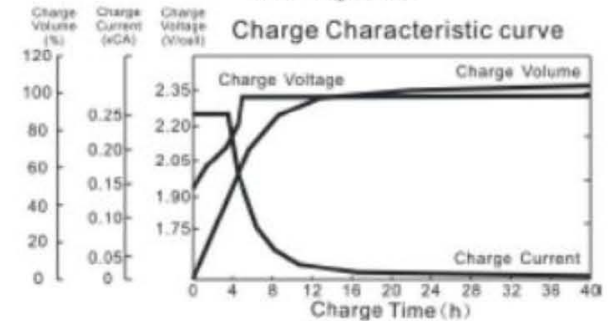
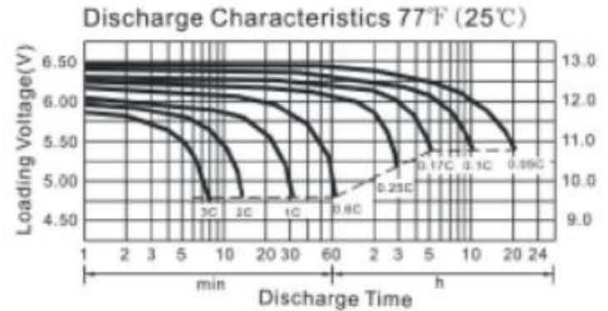


### Specifications

<b>Nominal Voltage</b>		<b>12V</b>
<b>Rated Capacity 77°F(25°C) (10HR)</b>		<b>100.0Ah</b>
<b>Dimensions (mm)</b>	<b>Length</b>	<b>329 ± 3</b>
	<b>Width</b>	<b>172 ± 2</b>
	<b>Height</b>	<b>217 ± 3</b>
	<b>Total Height</b>	<b>220 ± 3</b>
<b>Approx. Weight (kg)</b>		<b>28</b>
<b>Terminal</b>		<b>T12</b>

### Characteristic

<b>Capacity 77°F(25°C)</b>	<b>20HR (5.30A)</b>	<b>106.0Ah</b>
	<b>10HR (10.0A)</b>	<b>100.0Ah</b>
	<b>5HR (17.0A)</b>	<b>85.0Ah</b>
	<b>1HR (55.0A)</b>	<b>55.0Ah</b>
	<b>15 min rate (175.0A)</b>	<b>43.8Ah</b>
<b>Internal Resistance</b>	<b>Full Charged Battery</b>	<b>Approx. 5mΩ</b>
	<b>77°F(25°C)</b>	
<b>Temperature dependence of capacity (10HR)</b>	<b>104°F(40°C)</b>	<b>102%</b>
	<b>77°F(25°C)</b>	<b>100%</b>
	<b>32°F(0°C)</b>	<b>85%</b>
	<b>5°F(-15°C)</b>	<b>65%</b>
<b>Self-Discharge 68°F(20°C) (Capacity after)</b>	<b>3 months</b>	<b>90%</b>
	<b>6 months</b>	<b>80%</b>
	<b>12 months</b>	<b>60%</b>
<b>Max. Discharge Current, 77°F(25°C)</b>		<b>800A(5s)</b>
<b>Floating design life, 77°F(25°C)</b>		<b>10 years</b>
<b>Constant Voltage Charge, 77°F(25°C)</b>	<b>Cycle</b>	<b>14.4~14.7V(-24mV/°C) max. current: 25 A</b>
	<b>Float</b>	<b>13.6~13.8V(-18mV/°C)</b>



### Constant Current Discharge Characteristics (A), 77°F(25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	340.0	220.0	175.0	100.0	58.1	36.03	26.56	17.95	12.00	10.43	5.45
1.70V/cell	323.0	209.0	167.1	95.6	56.0	34.65	25.95	17.62	11.88	10.33	5.40
1.75V/cell	308.0	196.0	164.1	93.6	55.0	34.00	25.44	17.30	11.63	10.15	5.35
1.80V/cell	289.0	181.0	161.2	91.8	54.1	33.41	25.00	17.00	11.50	10.00	5.30

### Constant Wattage Discharge Characteristics (Watt), 77°F(25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	603.5	399.7	320.8	184.2	107.5	67.26	50.02	34.11	23.00	20.34	10.63
1.70V/cell	578.7	383.2	309.1	177.7	104.5	65.26	49.31	33.77	22.97	20.32	10.62
1.75V/cell	557.0	362.6	306.3	175.6	103.6	64.60	48.76	33.44	22.68	20.13	10.61
1.80V/cell	527.4	337.9	303.6	173.7	102.8	64.04	48.33	33.15	22.62	20.00	10.60