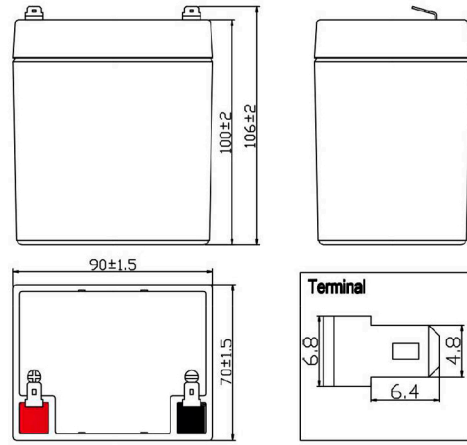


# PS5-12B (12V5Ah)



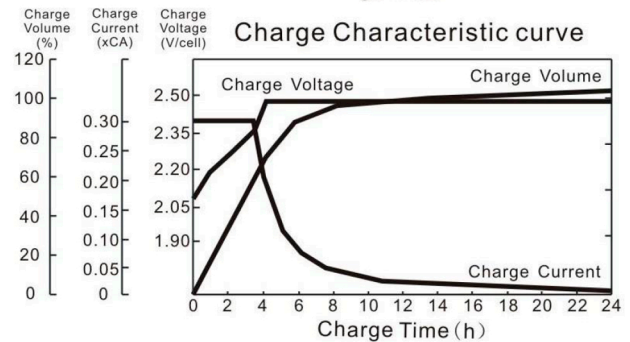
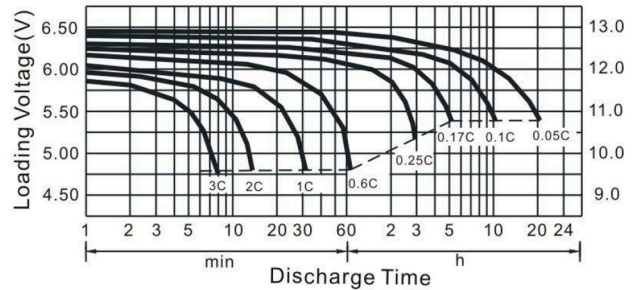
## ● Specifications

<b>Nominal Voltage</b>		<b>12V</b>
<b>Rated Capacity 77°F(25°C) (20HR)</b>		<b>5.0Ah</b>
<b>Dimensions (mm)</b>	<b>Length</b>	<b>90±1.5</b>
	<b>Width</b>	<b>70±1.5</b>
	<b>Height</b>	<b>100±2</b>
	<b>Total Height</b>	<b>106±2</b>
<b>Approx. Weight (kg)</b>		<b>1.54</b>
<b>Terminal</b>		<b>T1</b>

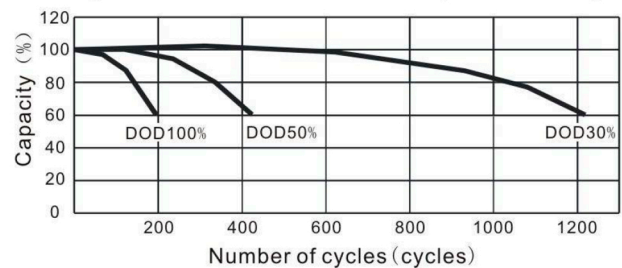
## ● Characteristic

<b>Capacity 77°F(25°C)</b>	<b>20HR (0.250A)</b>	<b>5.00Ah</b>
	<b>10HR (0.465A)</b>	<b>4.65Ah</b>
	<b>5HR (0.850A)</b>	<b>4.25Ah</b>
	<b>1HR (3.050A)</b>	<b>3.05Ah</b>
	<b>15 min rate (9.25A)</b>	<b>2.31Ah</b>
<b>Internal Resistance</b>	<b>Full Charged Battery 77°F(25°C)</b>	<b>Approx. 35mΩ</b>
<b>Temperature dependence of capacity (20HR)</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>75A(5s)</b>
<b>Floating design life, 77°F(25°C)</b>		<b>5 years</b>
<b>Constant Voltage Charge, 77°F(25°C)</b>	<b>Cycle</b>	<b>14.5~14.9V(-24mV/°C) max. current: 1.5 A</b>
	<b>Float</b>	<b>13.6~13.8V(-18mV/°C)</b>

Discharge Characteristics 77°F (25°C)



Cycle service life in relation to depth of discharge



### 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	19.00	12.00	9.25	5.00	3.17	1.79	1.31	0.880	0.585	0.480	0.258
1.70V/cell	18.05	11.40	8.84	4.78	3.05	1.72	1.28	0.865	0.580	0.475	0.255
1.75V/cell	17.70	11.15	8.68	4.68	3.00	1.69	1.25	0.850	0.570	0.465	0.253
1.80V/cell	17.35	10.90	8.52	4.59	2.95	1.66	1.23	0.835	0.565	0.460	0.250

### 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	34.50	22.00	17.12	9.34	5.96	3.39	2.50	1.700	1.145	0.945	0.510
1.70V/cell	33.10	21.10	16.49	9.00	5.80	3.29	2.47	1.685	1.140	0.940	0.505
1.75V/cell	32.75	20.80	16.34	8.89	5.74	3.26	2.44	1.670	1.130	0.930	0.503
1.80V/cell	32.40	20.55	16.19	8.80	5.70	3.23	2.42	1.655	1.120	0.920	0.500

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