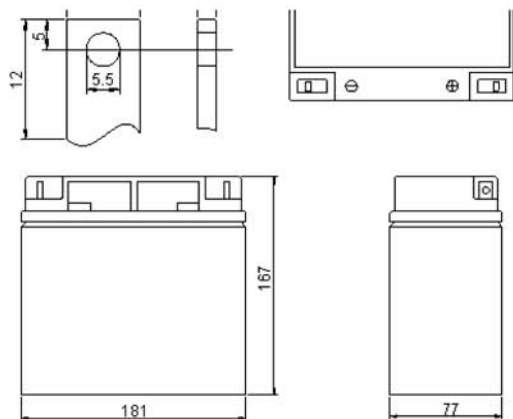


**VS Series SLA Battery**



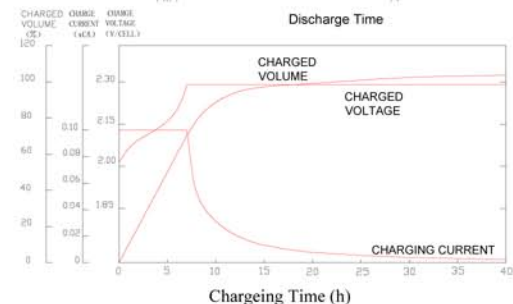
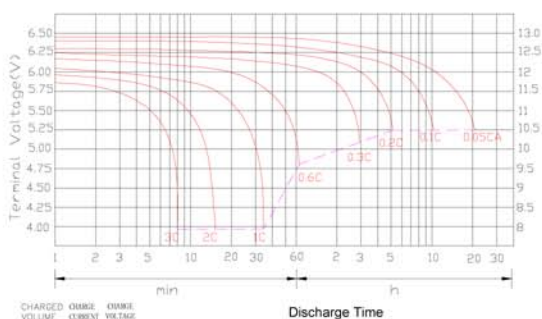
● **Specifications**

<b>Nominal Voltage</b>	<b>12V</b>
<b>Rated Capacity</b>	<b>18Ah</b>
<b>Dimensions</b>	<b>Total Height</b> 6.57 inches (167mm)
	<b>Height</b> 6.57 inches (167mm)
	<b>Length</b> 7.13 inches (181mm)
	<b>Width</b> 3.03 inches (77mm)
<b>Approximate Weight</b>	<b>11.46 lbs. (5.2kg)</b>

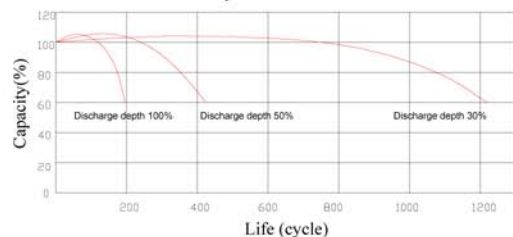
● **Characteristic**

<b>Capacity</b> 77°F(25°C)	<b>20h rate</b>	<b>18.0Ah</b>
	<b>10h rate</b>	<b>16.2Ah</b>
	<b>5h rate</b>	<b>15.3Ah</b>
	<b>1h rate</b>	<b>10.8Ah</b>
	<b>15 min rate</b>	<b>7.6Ah</b>
<b>Internal Resistance</b>	<b>Full Charged Battery</b> 77°F(25°C)	<b>Approx.</b> <b>18m Ω</b>
<b>Capacity</b> <b>Affected by</b> <b>Temperature</b> <b>(20h rate)</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</b> <b>68°F(20°C)</b> <b>(Capacity after)</b>	<b>3 month storage</b>	<b>90%</b>
	<b>6 month storage</b>	<b>80%</b>
	<b>12 month storage</b>	<b>60%</b>
<b>Max. Discharge</b> <b>Current 77°F(25°C)</b>	<b>270A(5s)</b>	
<b>Terminal</b>	<b>T3/T10</b>	
<b>Charge</b> <b>(Constant Voltage,25°C)</b>	<b>Cycle</b>	<b>14.5~14.9V(-24mV/°C)</b> <b>max. current: 5.4 A</b>
	<b>Float</b>	<b>13.6~13.8V(-18mV/°C)</b>

DISCHARGE CHARACTERISTICS AT 25° C(77° F)



Cycle service life



**Constant Current Discharge Characteristics (A,25°C)**

F.V./TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	70.0	45.0	36.0	20.0	12.0	4.47	3.05	1.73	0.91
10.2V	66.5	42.8	34.6	19.2	11.5	4.40	3.00	1.71	0.91
10.5V	62.5	40.2	32.8	18.2	10.9	4.31	2.94	1.70	0.90

**Constant Wattage Discharge Characteristics (Watt,25°C)**

F.V./TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	781	508	410	229	139	53.1	36.4	20.7	11.0
10.2V	742	482	394	220	133	52.3	35.8	20.5	10.9
10.5V	698	453	374	209	127	51.2	35.1	20.5	10.8