

# TECHNICAL DATA SHEET

## DAS12-9



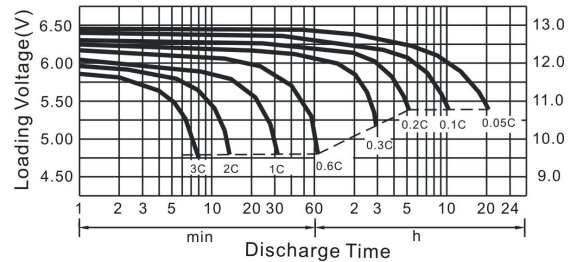
### Specifications

<b>Nominal Voltage</b>		<b>12V</b>
<b>Rated Capacity 77°F(25°C) (20HR)</b>		<b>9.0Ah</b>
<b>Dimensions (mm/inch)</b>	<b>Length</b>	<b>151 (5.95)</b>
	<b>Width</b>	<b>65 (2.56)</b>
	<b>Height</b>	<b>95 (3.74)</b>
	<b>Total Height</b>	<b>101 (3.98)</b>
<b>Approx. Weight (kg/lbs)</b>		<b>2.48 (5.47)</b>
<b>Terminal</b>		<b>T1/T2</b>

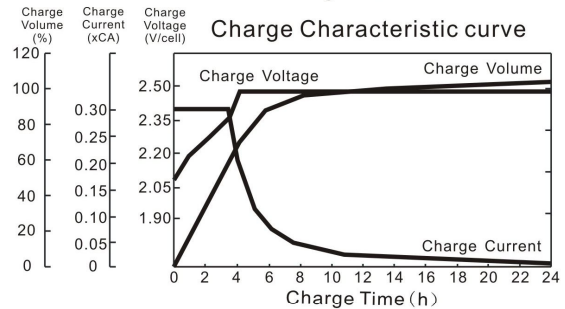
### Characteristics

<b>Capacity 77°F(25°C)</b>	<b>20HR (0.450A)</b>	<b>9.00Ah</b>
	<b>10HR (0.837A)</b>	<b>8.37Ah</b>
	<b>5HR (1.530A)</b>	<b>7.65Ah</b>
	<b>1HR (5.490A)</b>	<b>5.49Ah</b>
	<b>15 min rate (16.65A)</b>	<b>4.16Ah</b>
<b>Internal Resistance</b>	<b>Full Charged Battery 77°F(25°C)</b>	<b>Approx. 18mΩ</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>135A(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: 2.7 A</b>
	<b>Float</b>	<b>13.6~13.8V(-18mV/°C)</b>

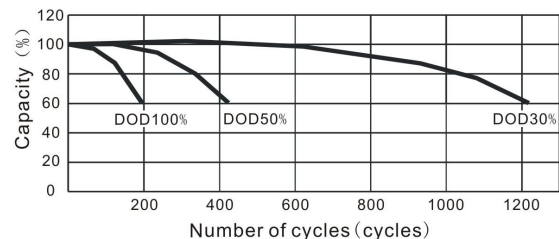
Discharge Characteristics 77°F (25°C)



Charge Characteristic curve



Cycle service life in relation to depth of discharge



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### 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	33.91	21.41	16.51	8.92	5.64	3.16	2.33	1.570	1.045	0.856	0.457
1.70V/cell	32.23	20.35	15.77	8.54	5.45	3.06	2.27	1.544	1.035	0.848	0.455
1.75V/cell	31.60	19.91	15.48	8.36	5.34	3.00	2.23	1.517	1.017	0.831	0.453
1.80V/cell	30.97	19.45	15.20	8.19	5.26	2.95	2.19	1.491	1.009	0.821	0.450

### 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	61.55	38.52	30.55	16.66	10.62	5.92	4.46	3.034	2.044	1.687	0.910
1.70V/cell	59.11	37.66	29.43	16.06	10.34	5.86	4.40	3.008	2.035	1.678	0.905
1.75V/cell	58.48	37.13	29.17	15.86	10.25	5.82	4.36	2.981	2.017	1.660	0.901
1.80V/cell	57.85	36.68	28.89	15.70	10.16	5.75	4.31	2.954	1.999	1.642	0.900

