



# DC 290s

**GEL DEEP CYCLE**  
12V | 290Ah | 100h

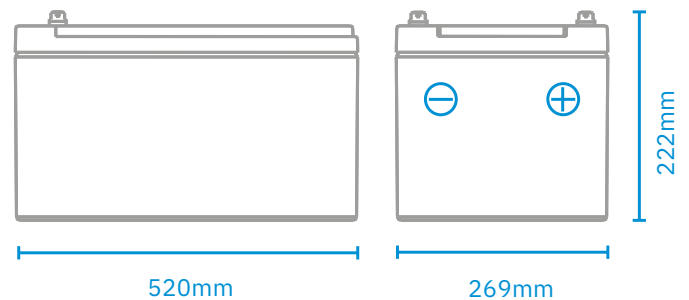
## Electrical Specifications

Nominal voltage	12V
Capacity (25°C)	290Ah at C <sub>100</sub>
Internal resistance (25°C)	2.7mΩ
Temperature effect on capacity	104% at 40°C 100% at 25°C 83% at 0°C 65% at -15°C
Residual capacity after storage (25°C)	3 months: 91% 6 months: 82% 12 months: 65%
Constant charging voltage Cycle (25°C)	14.4 V (initial charging current < 75A)
Float charge voltage (25°C)	13.6 to 13.8V

## Discharge Specifications

Capacity C <sub>100</sub>	290Ah
Capacity C <sub>20</sub>	250Ah
Capacity C <sub>10</sub>	218Ah
Capacity C <sub>5</sub>	196Ah
Capacity C <sub>3</sub>	188Ah
Discharge current testing (25°C)	1h rate (137.5A) : 138Ah 3h rate (62.5A) : 188Ah

## Measurements



## Mechanical Specifications

Measurements (L × W × H)	520 × 269 × 222mm
Approx. weight	73.1kg
Terminal type	T2

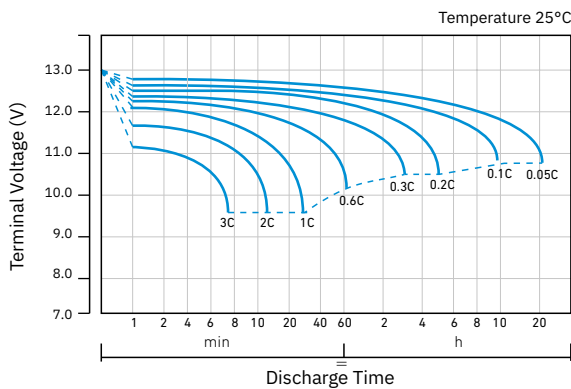
## Constant Current Discharge Characteristics (A) 25°C

F.V. / Time	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
<b>9.60V</b>	402.6	257.1	158.1	88.7	62.0	50.7	44.3	29.6	25.1	13.0
<b>10.2V</b>	386.1	246.4	151.4	87.3	61.1	50.1	43.7	29.3	25.1	12.9
<b>10.5V</b>	378.4	241.6	148.4	86.5	60.6	49.8	43.3	29.1	25.0	12.8
<b>10.8V</b>	366.7	234.8	144.6	85.6	59.9	48.2	42.8	29.1	25.0	12.8

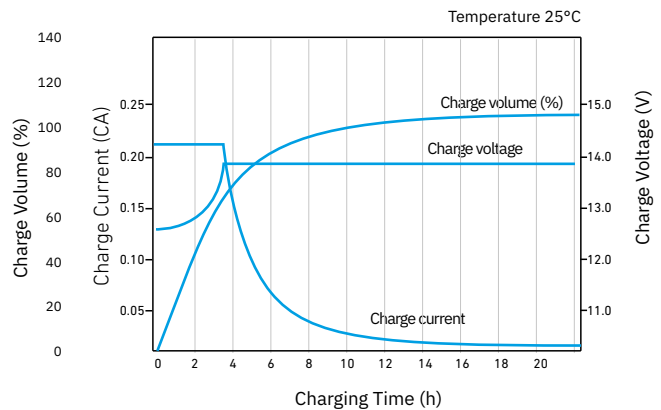
### Constant Power Discharge Characteristics 25°C

F.V. / Time	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
<b>9.60V</b>	4421.2	2884.4	1802.6	1026.5	729.6	596.7	523.9	354.1	294.0	156.2
<b>10.2V</b>	4243.7	2769.0	1730.8	1010.9	718.9	588.9	516.1	351.2	293.2	154.3
<b>10.5V</b>	4154.4	2709.8	1692.0	1001.2	713.1	585.0	511.3	345.4	292.4	153.3
<b>10.8V</b>	4032.2	2631.2	1644.5	990.6	704.4	567.6	505.5	349.3	291.1	152.7

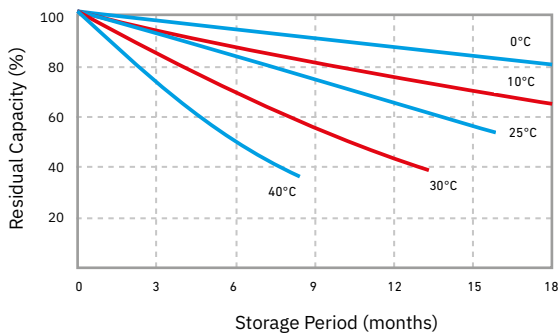
Discharge Characteristics Curve



Charge Characteristics Curve For Cycle Use (IU)



Residual Capacity



Float Life

