



# DC 230s

**GEL DEEP CYCLE**  
12V | 230Ah | 100h

## Electrical Specifications

Nominal voltage	12V
Capacity (25°C)	230Ah at C <sub>100</sub>
Internal resistance (25°C)	3.2mΩ
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 < 60A)
Float charge voltage (25°C)	13.6 to 13.8V

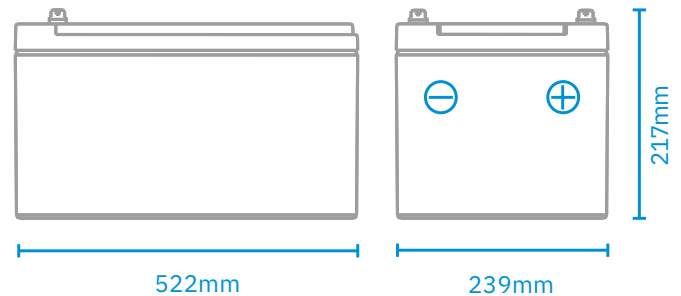
## Discharge Specifications

Capacity C <sub>100</sub>	230Ah
Capacity C <sub>20</sub>	200Ah
Capacity C <sub>10</sub>	174Ah
Capacity C <sub>5</sub>	157Ah
Capacity C <sub>3</sub>	150Ah
Discharge current testing (25°C)	1h rate (110A) : 110Ah 3h rate (50A) : 150Ah

## Mechanical Specifications

Measurements (L × W × H)	522 × 239 × 217mm
Approx. weight	60.9kg
Terminal type	T3

## Measurements



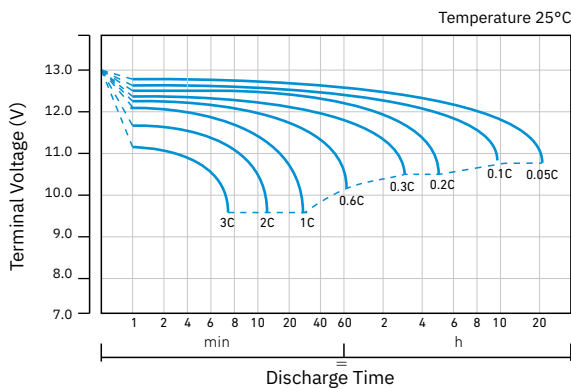
## Constant Current Discharge Characteristics (A) 25°C

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>	366.3	207.9	128.7	72.4	54.5	41.4	37.8	24.1	20.1	10.2
<b>10.2V</b>	351.5	200.0	123.8	71.3	530.0	40.9	36.6	23.9	20.1	10.2
<b>10.5V</b>	344.5	195.0	120.8	70.7	52.6	40.6	36.3	23.8	20.0	10.1
<b>10.8V</b>	333.6	190.1	117.8	69.8	51.9	39.4	35.9	23.5	20.0	10.1

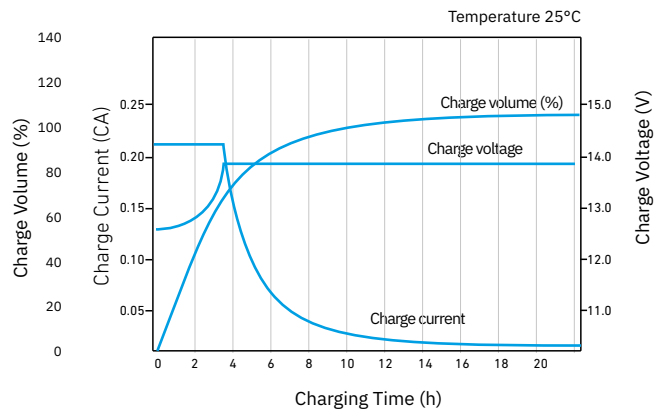
### Constant Power Discharge Characteristics 25°C

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>	4022.4	2332.4	1467.2	837.5	632.6	487.1	439.6	285.1	239.6	122.8
<b>10.2V</b>	3861.0	2239.4	1410.8	824.7	622.7	481.1	432.6	283.1	238.5	121.8
<b>10.5V</b>	3782.8	2187.9	1376.1	817.7	617.8	477.2	428.7	282.2	237.6	120.8
<b>10.8V</b>	3686.0	2127.5	1338.5	807.8	610.8	463.3	424.7	278.2	236.8	120.8

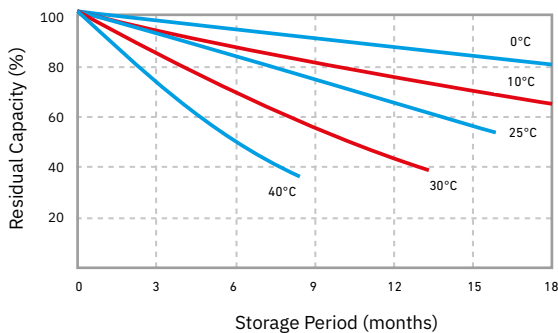
Discharge Characteristics Curve



Charge Characteristics Curve For Cycle Use (IU)



Residual Capacity



Float Life

