



DC 230s

GEL DEEP CYCLE
12V | 230Ah | 100h

Electrical Specifications

Nominal voltage	12V
Capacity (25°C)	230Ah at C ₁₀₀
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)	14.5 to 14.9V (initial charging current < 60A)
Constant charging voltage Float (25°C)	13.6 to 13.8V

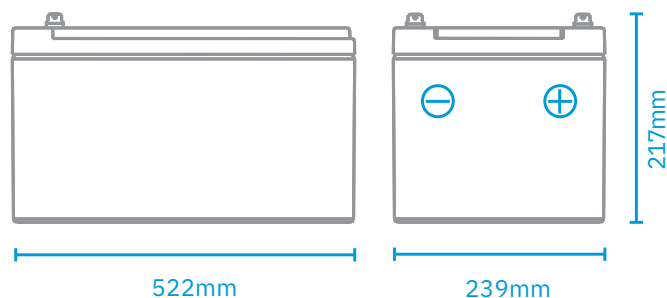
Mechanical Specifications

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

Discharge Specifications

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

Measurements



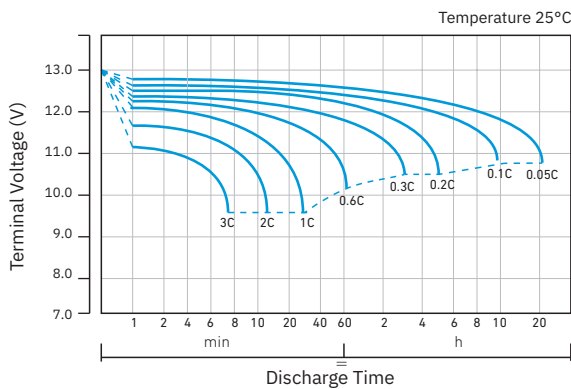
Constant Current Discharge Characteristics (A) 25°C

F.V. / Time	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
9.60V	366.3	207.9	128.7	72.4	54.5	41.4	37.8	24.1	20.1	10.2
10.2V	351.5	200.0	123.8	71.3	530.0	40.9	36.6	23.9	20.1	10.2
10.5V	344.5	195.0	120.8	70.7	52.6	40.6	36.3	23.8	20.0	10.1
10.8V	333.6	190.1	117.8	69.8	51.9	39.4	35.9	23.5	20.0	10.1

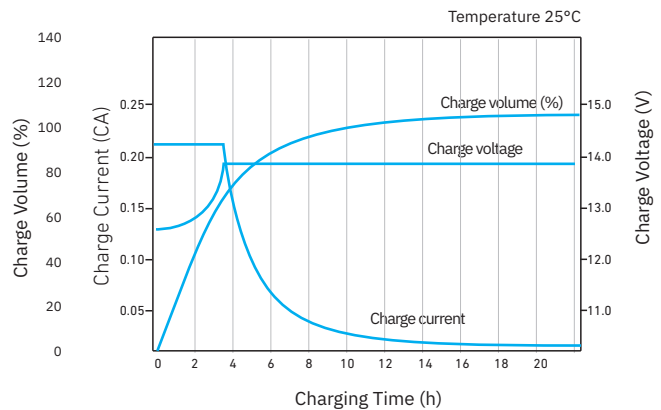
Constant Power Discharge Characteristics 25°C

F.V. / Time	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
9.60V	4022.4	2332.4	1467.2	837.5	632.6	487.1	439.6	285.1	239.6	122.8
10.2V	3861.0	2239.4	1410.8	824.7	622.7	481.1	432.6	283.1	238.5	121.8
10.5V	3782.8	2187.9	1376.1	817.7	617.8	477.2	428.7	282.2	237.6	120.8
10.8V	3686.0	2127.5	1338.5	807.8	610.8	463.3	424.7	278.2	236.8	120.8

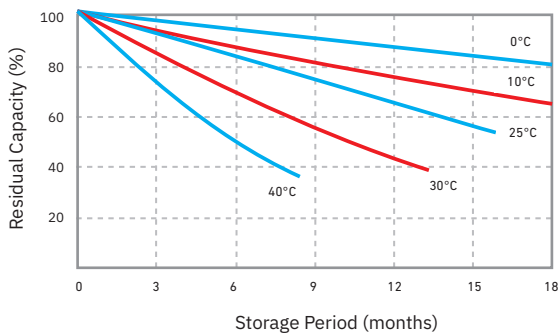
Discharge Characteristics Curve



Charge Characteristics Curve For Cycle Use (IU)



Residual Capacity



Float Life

