

DC 175s

GEL DEEP CYCLE

12V | 175Ah | 100h



Electrical Specifications

Nominal voltage	12V
Capacity (25°C)	175Ah at C ₁₀₀
Internal resistance (25°C)	3.4mΩ
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 < 45A)
Constant charging voltage Float (25°C)	13.6 to 13.8V

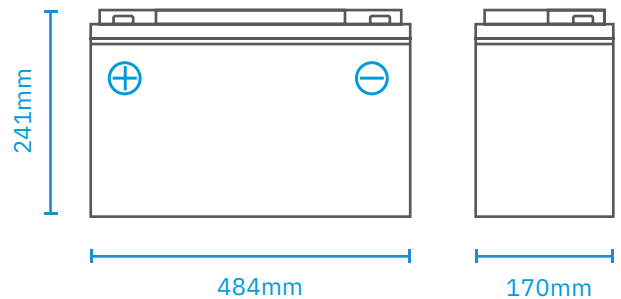
Discharge Specifications

Capacity C ₁₀₀	175Ah
Capacity C ₂₀	150Ah
Capacity C ₁₀	131Ah
Capacity C ₅	117Ah
Capacity C ₃	113Ah
Discharge current testing (25°C)	1h rate (82.5A) : 83Ah 3h rate (37.5A) : 113Ah

Mechanical Specifications

Measurements (L × W × H)	484 × 170 × 241mm
Approx. weight	43.2kg
Terminal type	T3

Measurements



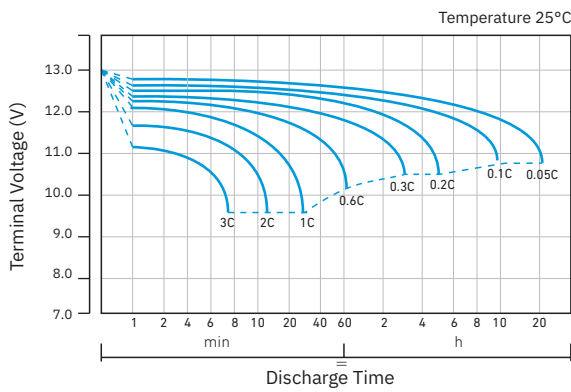
Constant Current Discharge Characteristics (A) 25°C

F.V. / Time	10 min	15 min	30 min	60 min	2 h	3 h	5 h	8 h	10 h	20 h
9.60V	267.3	158.4	96.5	54.3	39.2	31.1	27.3	18.1	15.1	7.9
10.2V	256.4	152.5	92.7	53.5	38.6	30.7	26.9	17.9	15.1	7.8
10.5V	251.5	148.5	90.8	53.0	38.2	30.5	26.6	17.8	15.0	7.7
10.8V	243.5	144.5	88.0	52.4	37.8	29.5	26.4	17.8	15.0	7.7

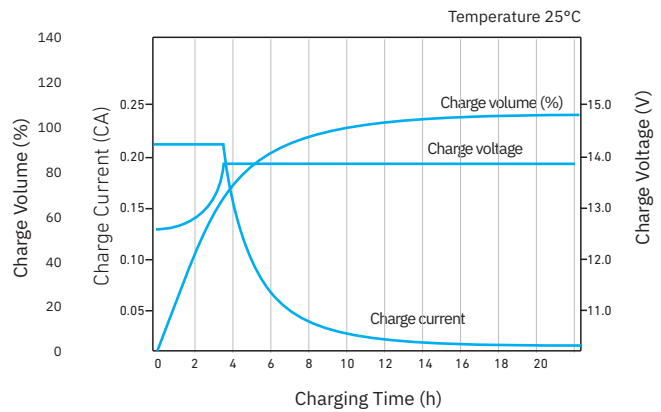
Constant Power Discharge Characteristics 25°C

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	2935.4	1777.1	1100.9	628.7	461.3	365.3	322.7	214.8	181.2	94.5
10.2V	2815.6	1710.7	1056.3	618.8	454.4	360.4	318.8	212.9	179.2	93.9
10.5V	2760.1	1666.2	1034.6	612.8	449.5	358.4	314.8	211.9	178.2	93.2
10.8V	2674.0	1621.6	1002.9	606.9	445.5	347.5	312.8	210.9	177.2	92.7

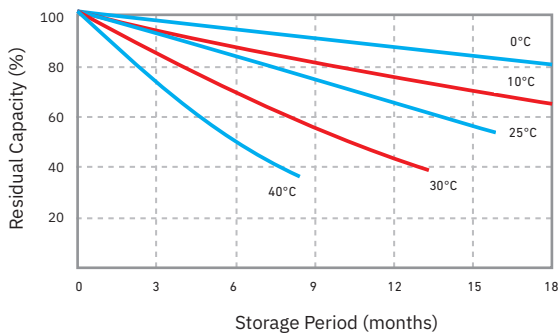
Discharge Characteristics Curve



Charge Characteristics Curve For Cycle Use (IU)



Residual Capacity



Float Life

