

DC 245

AGM DEEP CYCLE

6 V | 245Ah | 100 h



Electrical Specifications

Nominal voltage	6V
Capacity (25°C)	245Ah at C ₁₀₀
Internal resistance (25°C)	Ca. 1.68mΩ
Temperature effect on capacity	103% at 40°C 100% at 25°C 86% at 0°C
Residual capacity after storage (25°C)	3 months: 91% 6 months: 82% 12 months: 65%

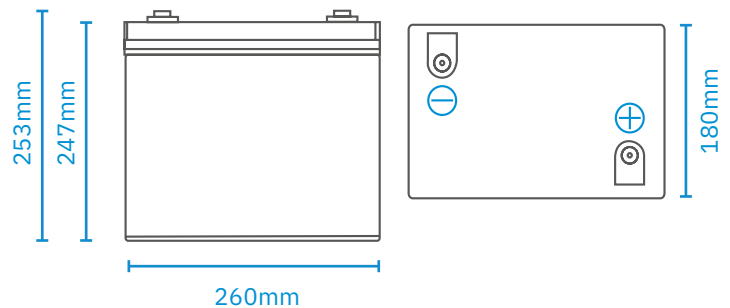
Discharge Specifications

Capacity C ₁₀₀	245Ah
Capacity C ₂₀	225Ah
Capacity C ₁₀	200Ah
Capacity C ₅	150Ah
Capacity C ₃	120Ah
Max. discharge current	1800 A (5 s)

Mechanical Specifications

Measurements (L × B × H)	260 × 180 × 253mm
Weight	30,50 kg
Terminal type	M8x 16
Casing material	ABS
Temperature (Discharge)	-20 to 55°C
Temperature (Charging)	0 to 40°C
Temperature (Storage)	-20 to 50°C

Measurements



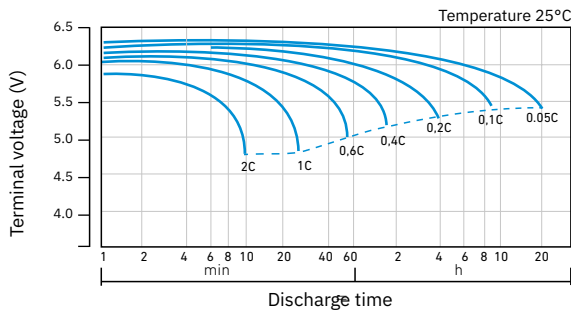
Constant Current Discharge Characteristics (A) 25°C

F.V. / Zeit	20min	30min	45min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	20 h
1.85V/cell	169.2	132.8	101.3	84.8	53.8	41.0	34.0	29.3	25.3	22.4	20.2	18.5	17.5	9.60
1.80V/cell	193.8	148.4	111.7	93.6	58.2	43.9	36.0	30.8	26.6	23.5	21.2	19.4	18.2	11.25
1.75V/cell	217.8	163.2	120.8	100.2	61.7	46.4	37.7	32.0	27.5	24.3	21.9	20.0	18.5	10.2
1.70V/cell	234.6	174.8	128.3	106.0	65.4	48.3	39.0	33.0	28.5	25.1	22.5	20.5	19.0	10.3
1.65V/cell	244.2	181.6	132.8	110.0	67.1	49.9	39.9	33.7	28.9	25.5	22.9	20.8	19.3	10.4
1.60V/cell	264.6	194.4	142.7	116.8	69.8	51.9	41.4	34.7	29.6	26.0	23.3	21.2	19.6	10.6

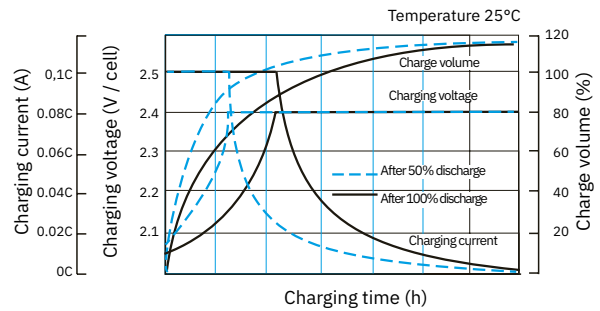
Constant Power Discharge Characteristics 25°C

F.V. / Zeit	20min	30min	45min	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	20 h
1.85 V/cell	323.8	255.9	196.5	165.1	105.1	80.3	66.8	75.9	50.1	44.5	40.2	36.8	34.8	19.2
1.80 V/cell	366.1	283.3	215.1	181.3	113.3	85.8	70.5	60.6	52.4	46.4	42.0	38.6	36.3	19.9
1.75 V/cell	406.9	308.7	230.8	193.1	119.6	90.4	73.6	62.7	54.1	47.9	43.3	39.7	37.0	20.3
1.70 V/cell	433.5	327.8	243.3	203.1	126.2	93.9	75.9	64.5	55.9	49.4	44.5	40.7	37.8	20.5
1.65 V/cell	446.2	337.0	250.2	209.6	128.8	96.4	77.5	65.7	56.7	50.0	45.1	41.1	38.2	20.7
1.60 V/cell	478.1	357.3	266.8	221.3	133.4	99.8	80.2	67.5	57.8	51.0	45.8	42.0	38.9	21.0

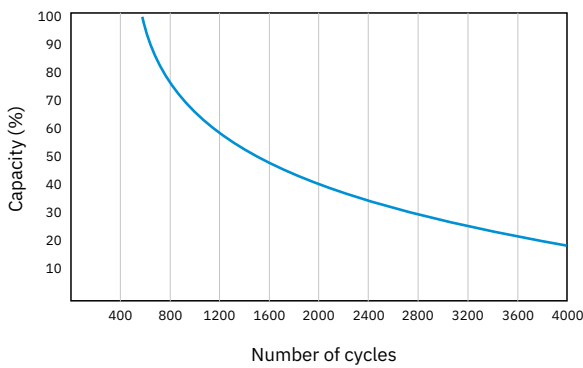
Discharge Characteristics Curve



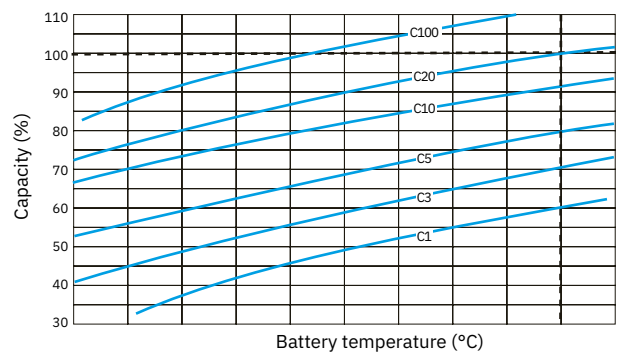
Charge Characteristics Curve For Cycle Use (IU)



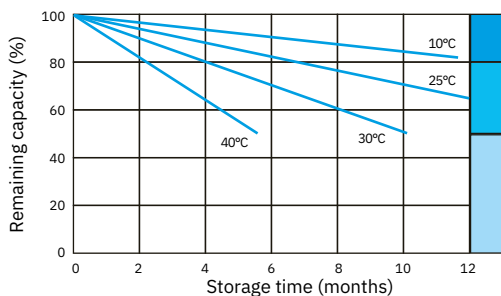
Cycle Life in relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics



- No supplementary charge required. Charge the battery if 100% capacity is required.
- Supplementary charge required. Charge the battery by any of the following methods:
 1. Charge for at least 3 days at 0.25 CA and 0.25 V/cell
 2. Charge for at least 20 h at 0.25 CA and 2.45 V / cell
 3. Charge for 8 to 10 h at 0.05 CA
- Supplementary charge may often fail to restore the capacity. The battery should never be left in storage until this state is reached.