



# ANC12120

(12V/120Ah)

## BATTERY CONSTRUCTION

| Component    | Positive Plate | Negative Plate | Separator  | Electrolyte   | Container | Cover | Safety valve | Terminal |
|--------------|----------------|----------------|------------|---------------|-----------|-------|--------------|----------|
| Raw material | Lead dioxide   | Lead           | Fiberglass | Sulfuric acid | ABS       | ABS   | Si-Rubber    | Copper   |

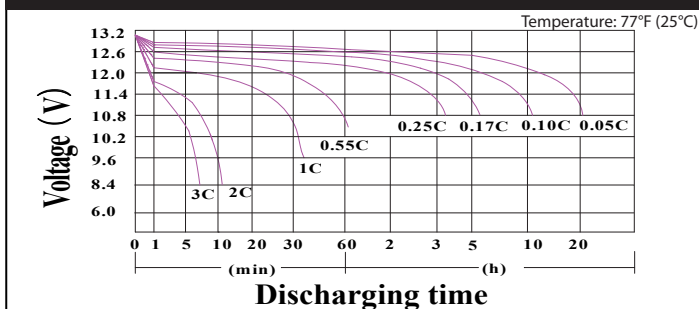
## SPECIFICATIONS

|                               |              |         |
|-------------------------------|--------------|---------|
| Nominal Voltage               |              | 12 V    |
| Rated Capacity (20 hour rate) |              | 120 Ah  |
| Dimensions                    | Total Height | 220 mm  |
|                               | Height       | 214 mm  |
|                               | Length       | 331 mm  |
|                               | Width        | 176 mm  |
| Weight                        |              | 33.4 kg |

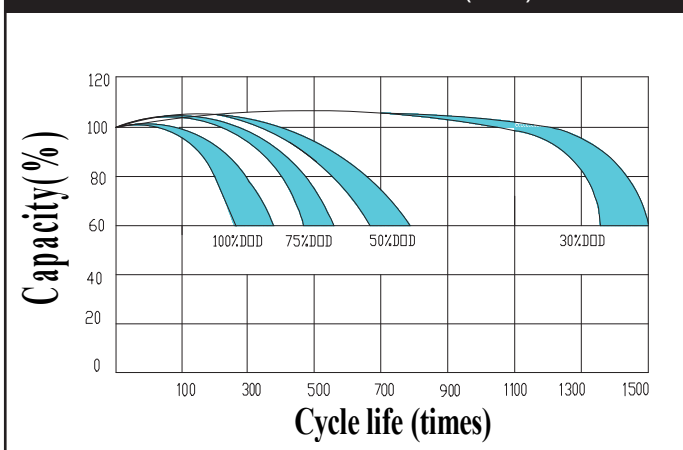
## CHARACTERISTICS

|                                                    |                                 |                                                                  |
|----------------------------------------------------|---------------------------------|------------------------------------------------------------------|
| Capacity<br>25°C (77°F)                            | 20 Hour Rate (6.0A to 10.8 V)   | 120Ah                                                            |
|                                                    | 10 Hour Rate (10.3A to 10.5 V)  | 103Ah                                                            |
|                                                    | 5 Hour Rate (17.8A to 10.2 V)   | 89Ah                                                             |
|                                                    | 2 Hour Rate (37.6A to 9.6V)     | 75.2Ah                                                           |
| Capacity Affected by Temperature<br>(20 Hour Rate) | 40°C (104°F)                    | 102%                                                             |
|                                                    | 25°C (77°F)                     | 100%                                                             |
|                                                    | 0°C (32°F)                      | 85%                                                              |
|                                                    | -15°C (5°F)                     | 65%                                                              |
| Self-Discharge<br>25°C (77°F)                      | Capacity after 3 month storage  | 92%                                                              |
|                                                    | Capacity after 6 month storage  | 84%                                                              |
|                                                    | Capacity after 12 month storage | 65%                                                              |
| Max. Discharge Current 25°C (77°F)                 |                                 | 1000A (5s)                                                       |
| Terminal                                           | Standard                        | M8                                                               |
| Charging<br>(Constant Voltage)                     | Cycle                           | Initial Charging Current less than 52A<br>14.4 V ~ 14.9 V (25°C) |
|                                                    | Float                           | 13.6 V ~ 13.8 V (25°C)                                           |

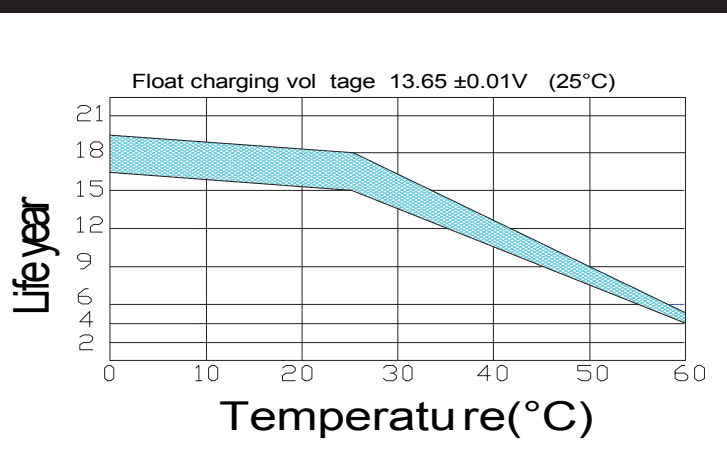
## DISCHARGE CHARACTERISTICS



## CYCLE LIFE VS DEPTH OF DISCHARGE (25°C)



## TEMPERATURE EFFECT ON DESIGNED SERVICE LIFE



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