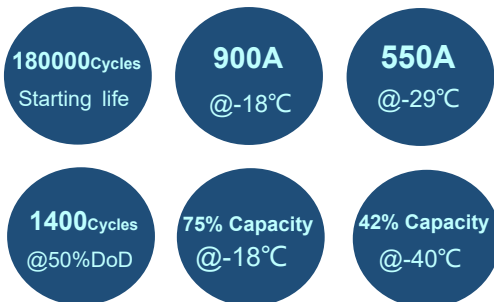


## TSS SERIER BATTERY

TSS batteries are suitable for heavy truck and construction vehicles starting and start-stop use. Compared with ordinary batteries, it has 1.5 times start performance, long cycle life and more reserved capacity. At the same time, the charging speed is faster than 30%, which is more suitable for continuous work in emergency situations. TSS batteries have obvious advantages in high-requirement scenarios demand for strong start performance and low temperature performance, such as heavy trucks, military special vehicles, heavy machinery, etc.



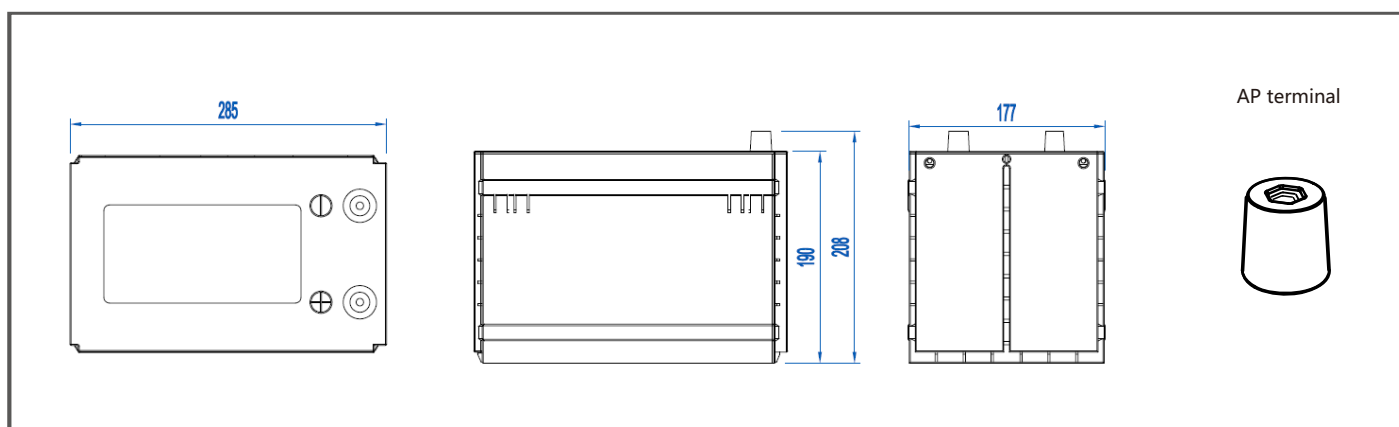
## TECHNICAL SPECIFICATIONS

|  |                                       |        |
|--|---------------------------------------|--------|
| Nominal Voltage(V)                       | 12 (6 cells)                          |        |
| Nominal Capacity@C <sub>20</sub> (25 °C) | 70Ah to 10.5V cut off                 |        |
| Cycle Life (25 °C)                       | 1400 times(50%DoD)                    |        |
| Dimensions                               | L285mm x W177mm x H190mm(208)         |        |
| CCA, RC                                  | CCA                                   | RC     |
|  | 900A                                  | 135min |
| Weight                                   | 24.0 Kg                               |        |
| Terminal                                 | AP terminal                           |        |
| Internal Resistance                      | Approx. 1.40mΩ (fully charged @ 25°C) |        |
| Operation Temperature                    | Discharge: -50~60°C                   |        |
|  | Charge: -40~60°C                      |        |
|  | Storage: -25~40°C                     |        |
| Self Discharge                           | Around 3% /month @ 25°C               |        |
| Float Charge Voltage (20~25 °C)          | 13.5~13.8V                            |        |
| Cyclic Charge Voltage (20~25°C)          | 14.3~14.5V                            |        |
| Container Material                       | ABS, UL94-V0 is optional              |        |



- EN 50342
- GBT5008.1-2013
- JB/T 1266-2016
- UL1989

## BATTERY DIMENSIONS



## DISCHARGE TABLE

Constant current performance: :Amps(@25°C)

|                      |      |      |      |      |      |      |      |     |     |
|----------------------|------|------|------|------|------|------|------|-----|-----|
| Discharge Current(A) | 3.5  | 6.7  | 20   | 25   | 27   | 50   | 84   | 180 | 360 |
| Discharge Time(min)  | 1200 | 600  | 180  | 135  | 120  | 60   | 30   | 12  | 5   |
| Capacity(Ah)         | 70   | 67   | 60   | 56   | 54   | 50   | 42   | 36  | 30  |
| Cut -off Voltage(V)  | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 10.2 | 10.2 | 9.6 | 9.6 |



## TSS SERIES BATTERY

TSS batteries are suitable for heavy truck and construction vehicles starting and start-stop use. Compared with ordinary batteries, it has 1.5 times start performance, long cycle life and more reserved capacity. At the same time, the charging speed faster, which is more suitable for continuous work in emergency situations. TSS batteries have obvious advantages in high-requirement scenarios demand for strong start performance and low temperature performance, such as heavy trucks, military special vehicles, heavy machinery, etc.

**180000**Cycles  
Starting life

**1300A**  
@-18°C

**850A**  
@-29°C

**1400**Cycles  
@50%DoD

**75% Capacity**  
@-18°C

**42% Capacity**  
@-40°C

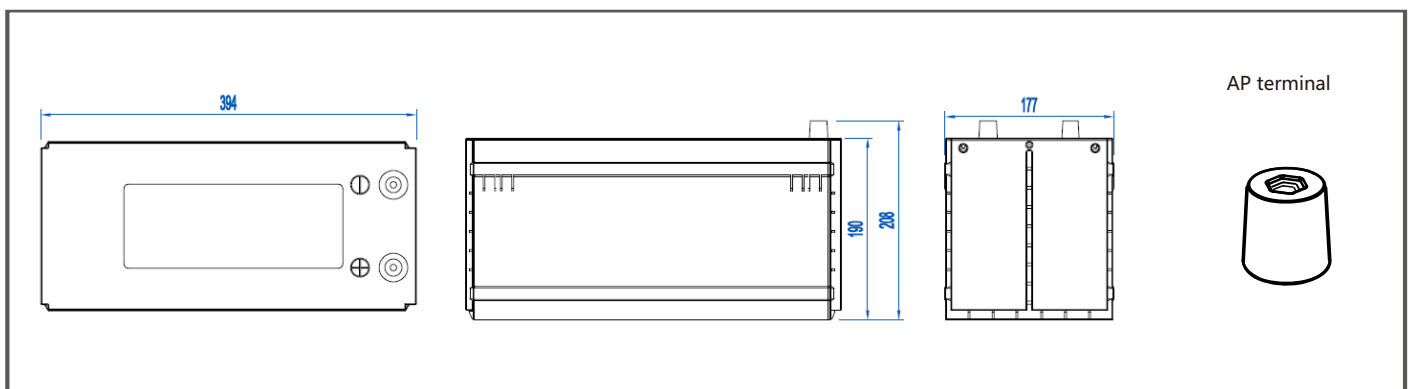
## TECHNICAL SPECIFICATIONS

|  |                                       |        |
|--|---------------------------------------|--------|
| Nominal Voltage(V)                       | 12 (6 cells)                          |        |
| Nominal Capacity@C <sub>20</sub> (25 °C) | 105Ah to 10.8V cut off                |        |
| Cycle Life (25 °C)                       | 1400 times (50%DoD)                   |        |
| Dimensions                               | L394mm x W177mm x H190mm(208)         |        |
| CCA, RC                                  | CCA                                   | RC     |
|  | 1300A                                 | 230min |
| Weight                                   | 32.5 Kg                               |        |
| Terminal                                 | AP terminal                           |        |
| Internal Resistance                      | Approx. 1.30mΩ (fully charged @ 25°C) |        |
| Operation Temperature                    | Discharge: -50~60°C                   |        |
|  | Charge: -40~60°C                      |        |
|  | Storage: -25~40°C                     |        |
| Self Discharge                           | Around 3% /month @ 25°C               |        |
| Float Charge Voltage (20~25 °C)          | 13.5~13.8V                            |        |
| Cyclic Charge Voltage (20~25°C)          | 14.3~14.5V                            |        |
| Container Material                       | ABS, UL94-V0 is optional              |        |



- EN 50342
- GBT5008.1-2013
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- UL1989

## BATTERY DIMENSIONS



## DISCHARGE TABLE

Constant current performance: :Amps (@25°C)

|                      |      |      |      |      |      |      |      |     |     |
|----------------------|------|------|------|------|------|------|------|-----|-----|
| Discharge Current(A) | 5.25 | 10.2 | 25   | 30   | 42.5 | 76   | 136  | 288 | 540 |
| Discharge Time(min)  | 1200 | 600  | 230  | 180  | 120  | 60   | 30   | 10  | 5   |
| Capacity(Ah)         | 105  | 102  | 96   | 90   | 85   | 76   | 68   | 48  | 45  |
| Cut -off Voltage(V)  | 10.8 | 10.8 | 10.5 | 10.5 | 10.5 | 10.2 | 10.2 | 9.6 | 9.6 |

Quasi Bipolar  
Technology

Maintenance  
Free  
No topping

Sealed  
Construction  
Leakage proof

**30%+**  
Fast charge