



## Sw61200(6V120AH)



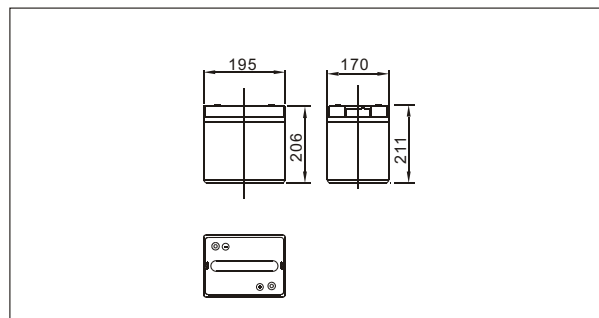
### Specifications

|                               |              |                      |
|-------------------------------|--------------|----------------------|
| Nominal Voltage               |              | 6V                   |
| Rated capacity (10 hour rate) |              | 120 Ah               |
| Dimensions                    | Total Height | 211 mm (8.31 inches) |
|                               | Height       | 206 mm (8.11 inches) |
|                               | Length       | 195 mm (7.67 inches) |
|                               | Width        | 170mm (6.69 inches)  |
| Weight Approx                 |              | 19Kg (42.0 lbs)      |

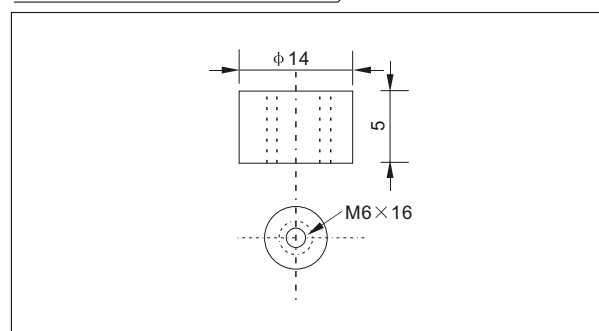
### Characteristics

|                                                         |       |                                                                                                     |                            |
|---------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------|----------------------------|
| Capacity<br>25°C(77°F)                                  |       | 10 hour rate(12.0A)<br>5 hour rate(19.2A)<br>1 hour rate(72A)                                       | 120 AH<br>96 AH<br>72 AH   |
| Internal Resistance                                     |       | Full charged Battery at 25°C(77°F)                                                                  | Approx<br>2.0 mΩ           |
| Capacity<br>affected<br>by Temperature<br>(10hour rate) |       | 40°C(104°F)<br>25°C(77°F)<br>0°C(32°F)<br>-15°C(5°F)                                                | 102%<br>100%<br>85%<br>65% |
| Self-Discharge<br>at 25°C(77°F)                         |       | Capacity after 3 month storage<br>Capacity after 6 month storage<br>Capacity after 12 month storage | 91%<br>82%<br>64%          |
| Terminal                                                |       | T16                                                                                                 |                            |
| Charge<br>(constant<br>Voltage)                         | Cycle | Initial Charging Current less than 48 A<br>Voltage 7.05-7.2V                                        |                            |
|                                                         | Float | Voltage 6.75-6.90V                                                                                  |                            |

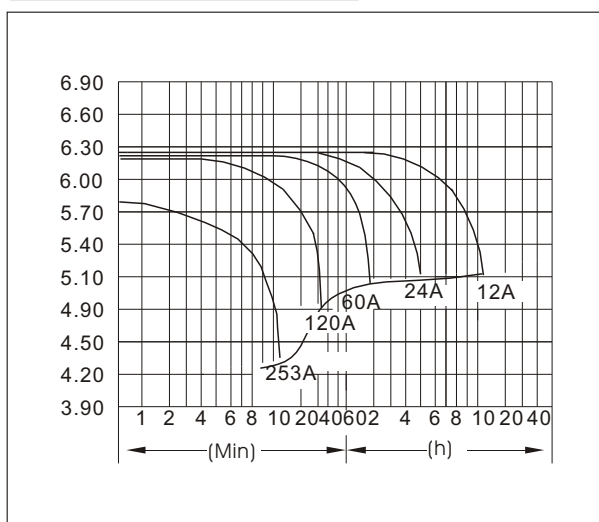
### Outer dimensions (mm)



### Terminal Type (mm)



### Discharge Curves 25°C(77°F)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

| Time  | 5min | 10min | 15min | 30min | 1h  | 2h  | 3h  | 4h    | 5h    | 8h    | 10h  | 20h  |
|-------|------|-------|-------|-------|-----|-----|-----|-------|-------|-------|------|------|
| 4.80V | A    | 384   | 253   | 204   | 137 | 72  | 42  | 30.8  | 24.0  | 19.8  | 14.0 | 6.8  |
|       | W    | 1983  | 1352  | 1094  | 735 | 389 | 231 | 171.6 | 135.0 | 112.6 | 80.4 | 39.6 |
| 5.10V | A    | 372   | 228   | 192   | 131 | 68  | 40  | 30.0  | 23.4  | 19.4  | 13.7 | 6.6  |
|       | W    | 1988  | 1276  | 1076  | 734 | 383 | 231 | 173.7 | 136.0 | 113.3 | 80.0 | 38.7 |
| 5.25V | A    | 360   | 204   | 168   | 122 | 66  | 39  | 29.3  | 23.0  | 19.2  | 13.6 | 6.6  |
|       | W    | 1966  | 1162  | 959   | 704 | 379 | 227 | 170.6 | 134.8 | 112.6 | 79.7 | 39.0 |
| 5.40V | A    | 347   | 193   | 156   | 113 | 63  | 38  | 28.6  | 22.7  | 18.7  | 13.2 | 6.5  |
|       | W    | 1947  | 1111  | 900   | 653 | 369 | 223 | 168.4 | 133.9 | 110.6 | 78.2 | 38.6 |
| 5.55V | A    | 335   | 180   | 144   | 101 | 61  | 37  | 27.6  | 22.1  | 18.2  | 12.8 | 6.1  |
|       | W    | 1902  | 1045  | 839   | 590 | 360 | 220 | 163.9 | 131.5 | 108.8 | 76.9 | 37.1 |