

|                  |                              |
|------------------|------------------------------|
| Model            | Q-125                        |
| Rated voltage    | 6V                           |
| Housing material | ABS                          |
| Battery type     | AGM Deep cycle power battery |
| Shell color      | maroon                       |



### Specification and parameters

| model | Rated voltage (v) | Number of cells | Terminal type | Size (mm) |       |        |              | Reference weight (kg) |
|-------|-------------------|-----------------|---------------|-----------|-------|--------|--------------|-----------------------|
|       |                   |                 |               | length    | width | height | total height |                       |
| Q-125 | 6                 | 3               | M8*25         | 260       | 180   | 251    | 256          | 31                    |

### Discharge performance parameter

| model | Discharge time (min) |     | Battery capacity (Ah) |     |      |      | 100hr stored power (kWh) |
|-------|----------------------|-----|-----------------------|-----|------|------|--------------------------|
|       | 25A                  | 75A | 3hr                   | 5hr | 10hr | 20hr |                          |
| Q-125 | 540                  | 160 | 190                   | 210 | 230  | 242  | 1.60                     |

### Charging parameters (based on charging parameters at 25 ° C)

|               |    |     |     |     |                                      |
|---------------|----|-----|-----|-----|--------------------------------------|
| System votage | 6V | 12V | 24V | 48V | Temperature compensation coefficient |
|---------------|----|-----|-----|-----|--------------------------------------|

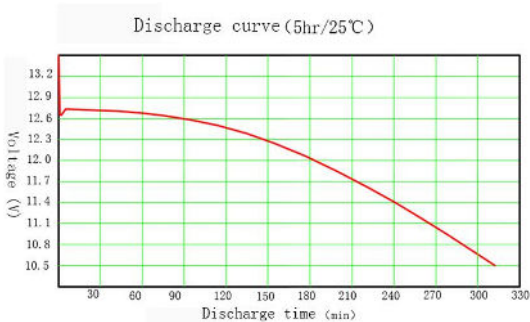
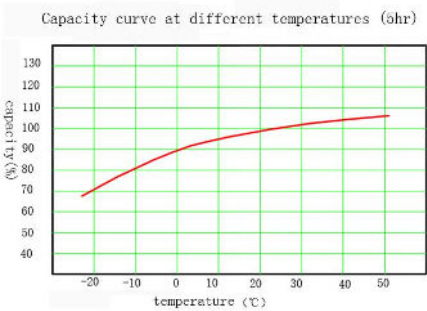
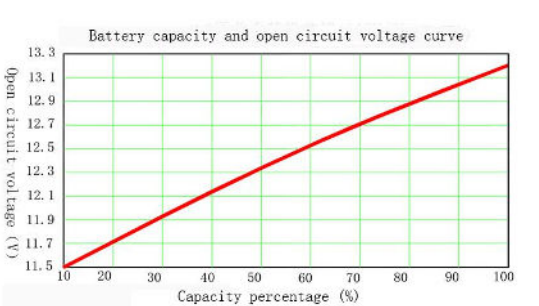
|                                             |     |      |      |      |                                                                                                                                                                                                                                |
|---------------------------------------------|-----|------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Constant voltage<br>charging voltage<br>(V) | 7.4 | 14.8 | 29.6 | 59.2 | With 25 ° C as the reference<br>temperature, the voltage adjustment<br>coefficient is ± 3mv / (° C · 2V); (the<br>charging voltage decreases when the<br>temperature increases, and rises when<br>the temperature is reversed) |
| Floating voltage (V)                        | 6.9 | 13.8 | 27.6 | 55.2 |                                                                                                                                                                                                                                |
| Standard charging<br>current (A)            | 35  |      |      |      |                                                                                                                                                                                                                                |

Discharge current characteristics at different rates (discharge characteristics at 25 ° C) / (A)

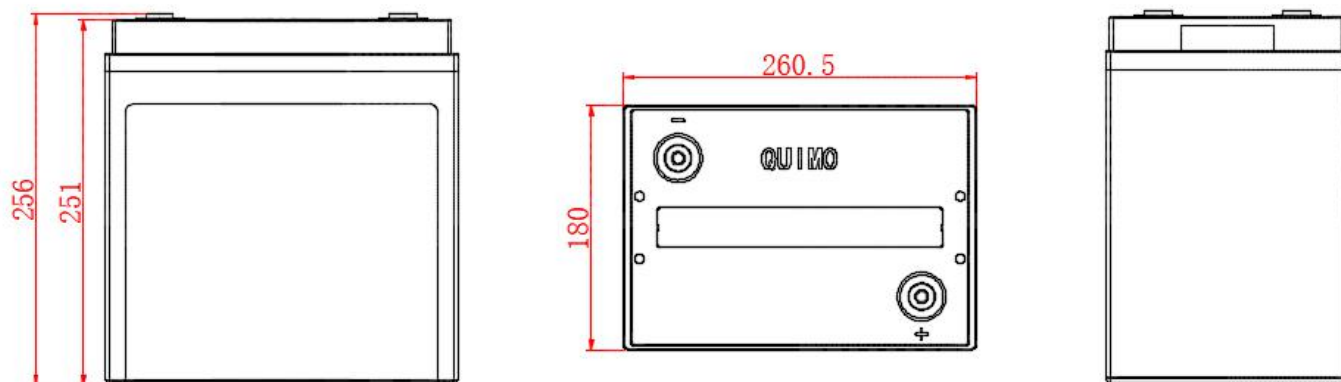
| Cut-off voltage<br>(V) / time | 30MIN  | 60MIN  | 90MIN  | 2HR   | 3HR   | 4HR   | 5HR   | 8HR   | 10HR  | 20HR  |
|-------------------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1.60                          | 318.35 | 173.52 | 120.07 | 93.20 | 63.96 | 50.67 | 42.42 | 28.20 | 23.23 | 12.22 |
| 1.65                          | 317.09 | 172.83 | 119.59 | 92.83 | 63.71 | 50.47 | 42.25 | 28.09 | 23.14 | 12.17 |
| 1.70                          | 316.15 | 172.32 | 119.24 | 92.56 | 63.52 | 50.32 | 42.13 | 28.00 | 23.07 | 12.14 |
| 1.75                          | 315.20 | 171.80 | 118.88 | 92.28 | 63.33 | 50.17 | 42.00 | 27.92 | 23.00 | 12.10 |
| 1.80                          | 313.62 | 170.94 | 118.29 | 91.82 | 63.01 | 49.92 | 41.79 | 27.78 | 22.89 | 12.04 |
| 1.85                          | 312.68 | 170.43 | 117.93 | 91.54 | 62.82 | 49.77 | 41.66 | 27.70 | 22.82 | 12.00 |

Discharge at different rates to 1.75V / cell capacity (discharge characteristics at 25 ° C) / (Ah)

| Discharge rate | 0.50   | 1.00   | 1.50   | 2.00   | 3.00   | 4.00   | 5.00   | 8.00   | 10.00  | 20.00  |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| capacity (Ah)  | 157.60 | 171.80 | 178.32 | 184.57 | 190.00 | 200.70 | 210.00 | 223.40 | 230.00 | 242.00 |



## Battery outline design



Quimo Battery reserves the right to make adjustments to this publication at any time without notice or liability.