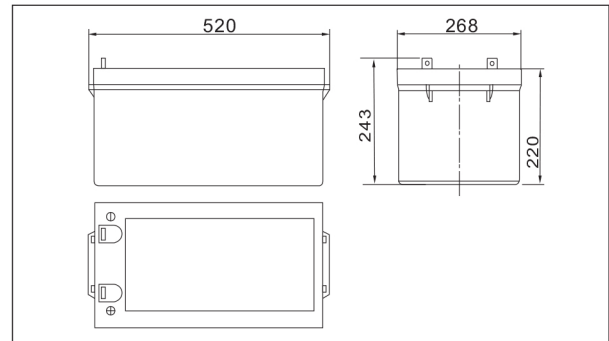


## NPG12-250(12V250AH)



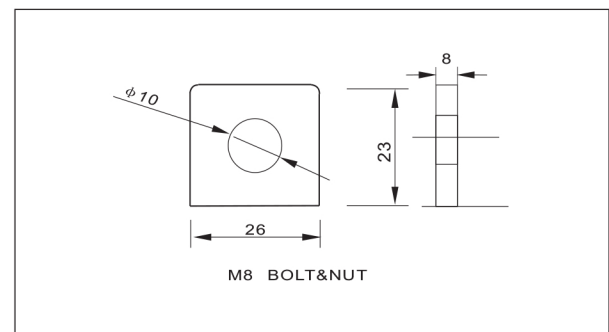
### Outer dimensions (mm)



### Specifications

|                               |              |                       |
|-------------------------------|--------------|-----------------------|
| Nominal Voltage               |              | 12V                   |
| Rated capacity (10 hour rate) |              | 250 Ah                |
| Dimensions                    | Total Height | 243mm (9.57inches)    |
|                               | Height       | 220 mm (8.66 inches)  |
|                               | Length       | 520 mm (20.5 inches)  |
|                               | Width        | 268 mm (10.55 inches) |
| Weight Approx                 |              | 73Kg (161lbs)         |

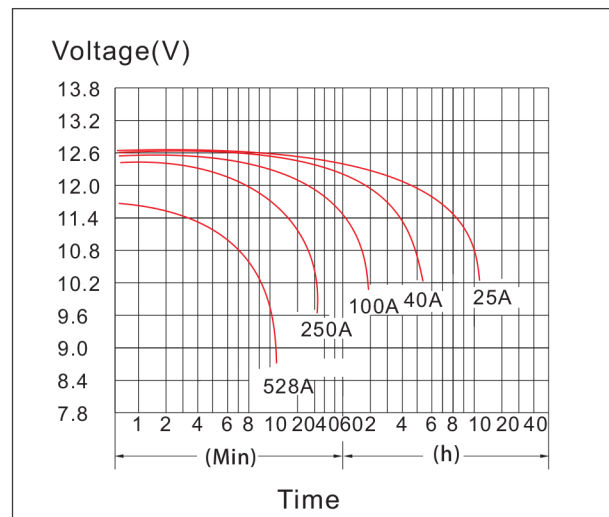
### Terminal Type (mm)



### Characteristics

|  |                                    |   |
|--|------------------------------------|---|
| Capacity<br>25°C(77°F)                               | 10 hour rate(25.0 A)               | 250 AH  |
|  | 5 hour rate(40.0 A)                | 200AH   |
|  | 1 hour rate(150 A)                 | 150 AH  |
|  | 1.5 hour discharge to 10.5V        | 100 A   |
| Internal Resistance                                  | Full charged Battery at 25°C(77°F) | 3.2 mΩ  |
| Capacity affected<br>by Temperature<br>(10hour rate) | 40°C(104°F)                        | 102%  |
|  | 25°C(77°F)                         | 100%  |
|  | 0°C(32°F)                          | 85%   |
|  | -15°C(5°F)                         | 65%   |
| Self-Discharge<br>at 25°C(77°F)                      | Capacity after 3 month storage     | 91%   |
|  | Capacity after 6 month storage     | 82%   |
|  | Capacity after 12 month storage    | 64%   |
| Terminal   | T11                                |   |
| Charge<br>(constant<br>Voltage)                      | Cycle                              | Initial Charging Current less than 100 A<br>Voltage 14.10-14.40V(Time 14~16h) |
|  | Float                              | Voltage 13.50-13.80V  |

### 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   |
|--------|---|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|
| 9.60V  | A | 801  | 528   | 425   | 285.0 | 150.0 | 87.5 | 64.3 | 50.0 | 41.3 | 29.25 | 26.25 | 14.18 |
|        | W | 8264 | 5634  | 4560  | 3064  | 1620  | 961  | 715  | 563  | 469  | 335   | 303   | 164.8 |
| 10.20V | A | 776  | 476   | 401   | 272.5 | 141.0 | 83.5 | 62.5 | 48.8 | 40.5 | 28.50 | 25.75 | 13.75 |
|        | W | 8282 | 5315  | 4482  | 3059  | 1595  | 962  | 724  | 567  | 472  | 333   | 303   | 161.3 |
| 10.50V | A | 750  | 426   | 350   | 255.0 | 136.5 | 81.5 | 61.0 | 48.0 | 40.0 | 28.25 | 25.25 | 13.75 |
|        | W | 8193 | 4843  | 3997  | 2935  | 1581  | 945  | 711  | 562  | 469  | 332   | 299   | 162.5 |
| 10.80V | A | 723  | 401   | 326   | 235.0 | 132.0 | 79.5 | 59.5 | 47.3 | 39.0 | 27.50 | 25.00 | 13.50 |
|        | W | 8112 | 4627  | 3750  | 2723  | 1536  | 931  | 702  | 558  | 461  | 326   | 297   | 160.8 |
| 11.10V | A | 699  | 376   | 301   | 210.0 | 127.5 | 77.5 | 57.5 | 46.0 | 38.0 | 26.75 | 23.75 | 12.75 |
|        | W | 7924 | 4354  | 3498  | 2457  | 1499  | 916  | 683  | 548  | 453  | 320   | 286.7 | 154.5 |