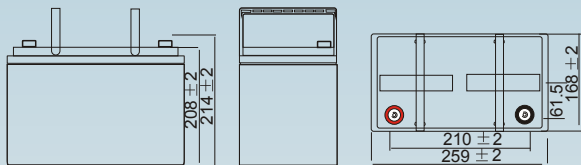


## PS Range

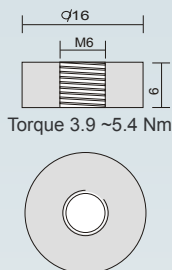
(10yr Design Life in Float Service at 20°C)

### Dimensions (mm)



### Standard terminal (mm)

T6 Threaded Insert 6mm Stud



### Physical Specification

|                         |                          |               |
|-------------------------|--------------------------|---------------|
| Nominal Voltage         |                          | 12V           |
| Nominal Capacity (20HR) |                          | 78.0 AH       |
| Dimension               | Length                   | 259 ± 2 mm    |
|                         | Width                    | 168 ± 2 mm    |
|                         | Container Height         | 208 ± 2 mm    |
|                         | Total Height to terminal | 214 ± 2 mm    |
| Weight                  |                          | Approx 23.0kg |
| Standard Terminal       |                          | T6            |

## PS-12750 12V 75AH



### Discharge Characteristics (25°C, 77°F)

|                                  |                                                                                                                        |                                                     |                         |       |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------|-------|------------------------------------------------------------------------------------------|
| Rated Capacity                   | 20hr Rate(1.80V/cell)<br>10hr Rate(1.80V/cell)<br>8hr Rate(1.75V/cell)<br>5hr Rate(1.75V/cell)<br>1hr Rate(1.60V/cell) | 78.00AH<br>75.00AH<br>72.40AH<br>65.50AH<br>45.80AH | Constant Voltage Charge | Cycle | Initial Charging Current<br>Less than 18.75A<br>Voltage 14.40V ~ 15.0V<br>at 25°C (77°F) |
| Capacity Affected by Temperature | 40°C (104°F)<br>25°C (77°F)<br>0°C (32°F)                                                                              | 103%<br>100%<br>86%                                 |                         |       | Standby                                                                                  |

### Internal Resistance mΩ

6.6 mΩ

### Constant Current Discharge Characteristics Unit: Amperes (25°C, 77°F)

| F.V/Time | 5MIN  | 10MIN | 15MIN | 20m n | 30MIN | 45m n | 1HR  | 2HR  | 3HR  | 4HR  | 5HR  | 6H   | 8HR  | 10HR | 20HR |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.60V    | 260.2 | 180.9 | 137.5 | 108.6 | 81.0  | 57.9  | 45.8 | 28.2 | 21.6 | 17.4 | 14.1 | 12.0 | 9.30 | 7.89 |      |
| 1.67V    | 224.3 | 161.6 | 124.7 | 99.7  | 75.2  | 54.8  | 43.6 | 26.9 | 20.5 | 16.5 | 13.4 | 11.6 | 9.14 | 7.73 |      |
| 1.70V    | 213.9 | 154.4 | 120.9 | 95.9  | 72.7  | 54.2  | 42.7 | 26.5 | 20.1 | 16.3 | 13.2 | 11.5 | 9.09 | 7.65 |      |
| 1.75V    | 194.3 | 141.7 | 113.3 | 91.3  | 69.9  | 52.1  | 42.2 | 25.5 | 19.2 | 15.6 | 13.1 | 11.3 | 9.05 | 7.57 | 3.94 |
| 1.80V    | 172.3 | 128.9 | 103.7 | 84.9  | 67.3  | 50.2  | 39.6 | 24.6 | 18.4 | 15.2 | 12.6 | 11.0 | 8.79 | 7.50 | 3.90 |
| 1.85V    | 128.4 | 100.9 | 85.8  | 71.8  | 57.1  | 43.2  | 35.4 | 22.5 | 17.8 | 14.5 | 11.7 | 10.2 | 8.29 | 7.08 | 3.86 |

### Constant Power Discharge Characteristics Unit: (Watts/cell) (25°C, 77°F)

| F.V/Time | 5MIN  | 10MIN | 15MIN | 20m n | 30MIN | 45m n | 1HR  | 2HR  | 3HR  | 4HR  | 5HR  | 6H   | 8HR  | 10HR | 20HR |
|----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.60V    | 431.3 | 307.6 | 240.6 | 196.8 | 147.7 | 108.6 | 86.0 | 53.4 | 41.2 | 33.4 | 27.1 | 23.5 | 18.2 | 15.5 | 0    |
| 1.67V    | 383.4 | 282.4 | 222.8 | 183.4 | 138.6 | 103.8 | 82.7 | 51.5 | 39.5 | 31.9 | 25.9 | 22.8 | 17.9 | 15.2 | 0    |
| 1.70V    | 368.2 | 271.1 | 216.8 | 177.1 | 134.7 | 103.1 | 81.4 | 50.8 | 38.7 | 31.5 | 25.7 | 22.6 | 17.8 | 15.1 | 0    |
| 1.75V    | 343.9 | 254.5 | 206.0 | 169.7 | 130.1 | 99.5  | 80.6 | 49.0 | 37.0 | 30.2 | 25.5 | 22.2 | 17.8 | 14.9 | 7.8  |
| 1.80V    | 311.7 | 235.4 | 190.9 | 159.3 | 126.4 | 96.4  | 76.0 | 47.4 | 35.7 | 29.5 | 24.6 | 21.7 | 17.3 | 14.8 | 7.7  |
| 1.85V    | 234.7 | 186.4 | 160.2 | 136.8 | 108.8 | 83.9  | 68.4 | 43.7 | 34.7 | 28.4 | 23.0 | 20.3 | 16.4 | 14.0 | 7.7  |



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