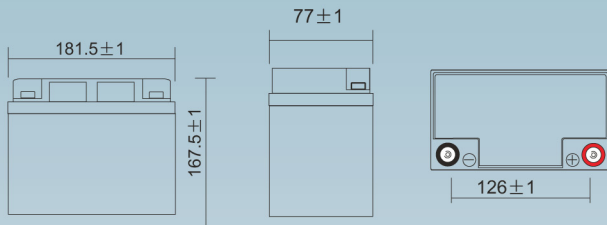


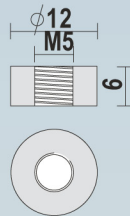
## PS Range (VRLA 5yr Life)

### Dimensions (mm)



### Standard terminal (mm)

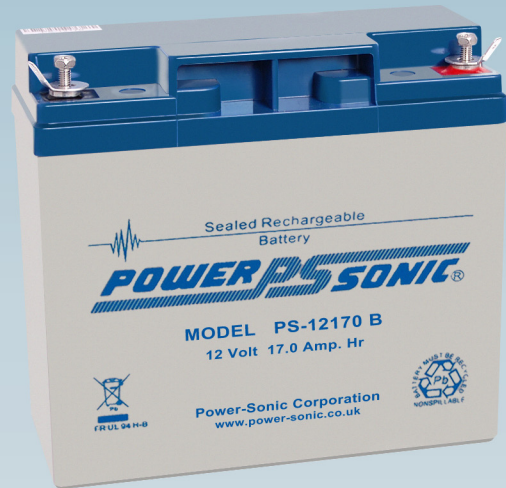
T12 Threaded Insert 5mm STUD



### Physical Specification

|                   |                              |               |
|-------------------|------------------------------|---------------|
| Nominal Voltage   |                              | 12V           |
| Nominal Capacity  |                              | 17.0 AH       |
| Dimension         | Length                       | 181 ± 2 mm    |
|                   | Width                        | 77 ± 2 mm     |
|                   | Container Height             | 165 ± 2 mm    |
|                   | Total Height (with terminal) | 165 ± 2 mm    |
| Weight            |                              | Approx 5.32kg |
| Standard Terminal |                              | T12           |

## PS-12170 12V 17AH



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

|                                  |                   |         |                         |  |   |
|----------------------------------|-------------------|---------|-------------------------|--|---|
| Rated Capacity                   | 20hr Rate (0.85A) | 17.0AH  | Constant Voltage Charge | Cycle  | Initial Charging Current<br>Less than 4.25A<br>Voltage 14.40V ~ 15.0V<br>at 25°C (77°F) |
|                                  | 10hr Rate (1.62A) | 16.2AH  |                         |  |   |
| Capacity Affected by Temperature | 8hr Rate (1.98A)  | 15.8AH  | Standby                 | Recommended Charge<br>Current less than 4.25A<br>Voltage 13.5V ~<br>13.8V at 25°C (77°F) |   |
|                                  | 5hr Rate (2.92A)  | 14.6AH  |                         |  |   |
|                                  | 1hr Rate (11.06A) | 11.06AH |                         |  |   |
| Capacity Affected by Temperature | 40°C (104°F)      | 103%    | Standby                 | Recommended Charge<br>Current less than 4.25A<br>Voltage 13.5V ~<br>13.8V at 25°C (77°F) |   |
|                                  | 25°C (77°F)       | 100%    |                         |  |   |
|                                  | 0°C (32°F)        | 86%     |                         |  |   |

### Internal Resistances m0hms

16.0 m0hms

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

| F.V/Time | 5MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 1HR   | 2HR  | 3HR  | 4HR  | 5HR  | 6HR  | 8HR  | 10HR | 20HR  | 24HR  | 48HR  | 72HR  | 100HR |
|----------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 1.60V    | 65.6 | 44.6  | 33.0  | 26.9  | 19.6  | 13.6  | 11.10 | 6.32 | 4.79 | 3.85 | 3.15 | 2.67 | 2.06 | 1.71 |       |       |       |       |       |
| 1.67V    | 56.6 | 39.8  | 29.9  | 24.7  | 18.1  | 12.9  | 10.54 | 6.05 | 4.56 | 3.66 | 3.00 | 2.58 | 2.02 | 1.67 |       |       |       |       |       |
| 1.70V    | 54.0 | 38.0  | 29.0  | 23.8  | 17.6  | 12.7  | 10.33 | 5.95 | 4.46 | 3.60 | 2.96 | 2.56 | 2.01 | 1.66 |       |       |       |       |       |
| 1.75V    | 49.0 | 34.9  | 27.2  | 22.6  | 16.9  | 12.2  | 10.02 | 5.72 | 4.34 | 3.51 | 2.92 | 2.51 | 1.98 | 1.64 | 0.859 | 0.741 | 0.391 | 0.27  | 0.197 |
| 1.80V    | 43.5 | 31.8  | 24.9  | 21.0  | 16.2  | 11.8  | 9.58  | 5.52 | 4.26 | 3.43 | 2.82 | 2.44 | 1.95 | 1.62 | 0.850 | 0.734 | 0.388 | 0.267 | 0.195 |
| 1.85V    | 32.4 | 24.9  | 20.6  | 17.8  | 13.8  | 10.1  | 8.55  | 5.06 | 3.96 | 3.22 | 2.62 | 2.28 | 1.84 | 1.53 | 0.842 | 0.722 | 0.382 | 0.262 | 0.191 |

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

| F.V/Time | 5MIN  | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 1HR   | 2HR  | 3HR  | 4HR  | 5HR  | 6HR  | 8HR  | 10HR | 20HR | 24HR | 48HR | 72HR  | 100HR |
|----------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 1.60V    | 652.7 | 454.6 | 346.4 | 289.6 | 213.8 | 151.4 | 124.8 | 71.9 | 54.9 | 44.3 | 36.4 | 31.1 | 24.1 | 20.2 |      |      |      |       |       |
| 1.67V    | 580.2 | 417.3 | 320.8 | 269.9 | 200.6 | 144.8 | 120.0 | 69.3 | 52.6 | 42.4 | 34.8 | 30.2 | 23.8 | 19.8 |      |      |      |       |       |
| 1.70V    | 557.2 | 400.7 | 312.1 | 260.7 | 195.0 | 143.7 | 118.0 | 68.4 | 51.5 | 41.8 | 34.5 | 29.9 | 23.6 | 19.6 |      |      |      |       |       |
| 1.75V    | 520.5 | 376.2 | 296.5 | 249.9 | 188.4 | 138.7 | 114.8 | 66.0 | 50.2 | 40.8 | 34.1 | 29.4 | 23.3 | 19.4 | 10.2 | 8.92 | 4.74 | 3.261 | 2.393 |
| 1.80V    | 471.6 | 347.9 | 274.8 | 234.6 | 182.9 | 135.0 | 110.2 | 63.9 | 49.5 | 40.1 | 32.9 | 28.7 | 23.0 | 19.3 | 10.1 | 8.87 | 4.71 | 3.235 | 2.370 |
| 1.85V    | 355.1 | 275.5 | 230.6 | 201.4 | 157.5 | 117.0 | 99.2  | 58.9 | 46.2 | 37.7 | 30.8 | 26.9 | 21.7 | 18.2 | 10.0 | 8.76 | 4.66 | 3.186 | 2.331 |



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