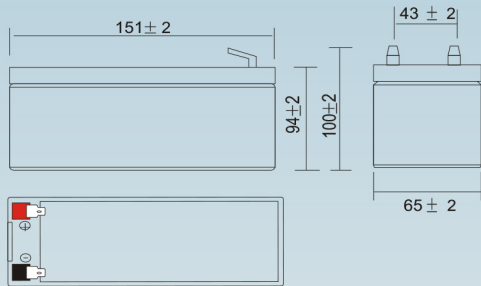


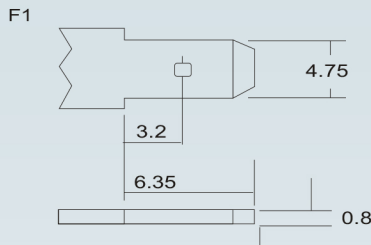
PS Range

(5yr Design Life in Float Service at 20°C)

Dimensions (mm)



Standard terminal (mm)



Physical Specification

| | | |
|-------------------|------------------------------|---------------|
| Nominal Voltage | | 12V |
| Nominal Capacity | | 7.0AH |
| Dimension | Length | 151 ± 2 mm |
| | Width | 65 ± 2 mm |
| | Container Height | 94 ± 2 mm |
| | Total Height (with terminal) | 100 ± 2 mm |
| Weight | | Approx 2.25kg |
| Standard Terminal | | F1 |

PS-1270 12V 7.0AH



Container and Lid Material/Flammability Rating

ABS UL94 std or UL94 V0 Option.

Discharge Characteristics (25°C, 77°F)

| | | | | | |
|----------------------------------|-----------------------|--------|-------------------------|--|--|
| Rated Capacity | 20hr Rate(1.80V/cell) | 7.00AH | Constant Voltage Charge | Cycle | Initial Charging Current Less than 1.75A Voltage 14.40V ~ 15.0V at 25°C (77°F) |
| | 10hr Rate(1.80V/cell) | 6.53AH | | | |
| Capacity Affected by Temperature | 5hr Rate(1.75V/cell) | 5.80AH | Standby | Recommended Charge Current less than 1.75A Voltage 13.5V ~ 13.8V at 25°C (77°F) | |
| | 3hr Rate(1.75V/cell) | 5.13AH | | | |
| | 1hr Rate(1.60V/cell) | 4.26AH | | | |
| Capacity Affected by Temperature | 40°C (104°F) | 103% | Constant Voltage Charge | Standby | Recommended Charge Current less than 1.75A Voltage 13.5V ~ 13.8V at 25°C (77°F) |
| | 25°C (77°F) | 100% | | | |
| | 0°C (32°F) | 86% | | | |

Internal Resistance mΩ

28.0 mΩ

Constant Current Discharge (Amperes) at 25°C (77°F)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|
| 1.85V/cell | 16.0 | 11.7 | 9.97 | 8.46 | 6.17 | 4.52 | 3.60 | 2.14 | 1.60 | 1.30 | 1.10 | 0.95 | 0.756 | 0.626 | 0.343 |
| 1.80V/cell | 19.2 | 13.7 | 11.3 | 9.20 | 6.65 | 4.80 | 3.83 | 2.24 | 1.66 | 1.35 | 1.14 | 0.99 | 0.783 | 0.653 | 0.350 |
| 1.75V/cell | 21.5 | 14.9 | 12.0 | 9.70 | 6.92 | 4.99 | 3.98 | 2.31 | 1.71 | 1.38 | 1.16 | 1.01 | 0.795 | 0.663 | 0.357 |
| 1.70V/cell | 23.4 | 15.9 | 12.8 | 10.2 | 7.18 | 5.12 | 4.05 | 2.36 | 1.75 | 1.41 | 1.19 | 1.03 | 0.812 | 0.672 | 0.361 |
| 1.65V/cell | 25.5 | 16.8 | 13.4 | 10.6 | 7.43 | 5.28 | 4.17 | 2.40 | 1.77 | 1.43 | 1.21 | 1.04 | 0.823 | 0.680 | 0.365 |
| 1.60V/cell | 26.8 | 17.6 | 13.8 | 10.9 | 7.64 | 5.42 | 4.26 | 2.46 | 1.81 | 1.46 | 1.23 | 1.06 | 0.837 | 0.690 | 0.371 |

Constant Power Discharge (Watts/cell) at 25°C (77°F)

| F.V/Time | 5min | 10min | 15min | 20min | 30min | 45min | 1h | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|-------|
| 1.85V/cell | 30.3 | 22.3 | 19.2 | 16.4 | 12.0 | 8.86 | 7.09 | 4.23 | 3.17 | 2.59 | 2.20 | 1.91 | 1.52 | 1.26 | 0.694 |
| 1.80V/cell | 35.9 | 25.8 | 21.5 | 17.7 | 12.9 | 9.37 | 7.52 | 4.42 | 3.30 | 2.69 | 2.27 | 1.97 | 1.57 | 1.31 | 0.704 |
| 1.75V/cell | 39.8 | 28.0 | 22.8 | 18.6 | 13.4 | 9.72 | 7.79 | 4.55 | 3.37 | 2.74 | 2.31 | 2.00 | 1.59 | 1.33 | 0.716 |
| 1.70V/cell | 42.8 | 29.5 | 24.0 | 19.3 | 13.8 | 9.89 | 7.88 | 4.61 | 3.42 | 2.78 | 2.34 | 2.03 | 1.61 | 1.33 | 0.718 |
| 1.65V/cell | 45.7 | 30.7 | 24.8 | 19.8 | 14.1 | 10.1 | 8.02 | 4.65 | 3.45 | 2.80 | 2.36 | 2.05 | 1.62 | 1.34 | 0.720 |
| 1.60V/cell | 47.0 | 31.5 | 25.1 | 20.1 | 14.3 | 10.3 | 8.13 | 4.73 | 3.50 | 2.83 | 2.39 | 2.07 | 1.63 | 1.35 | 0.728 |



BATTERYCHARGED
Unit 17
M11 Business Link
Stansted
Essex
CM24 8GF

Tel: 03300 412187
www.batterycharged.co.uk
email: info@batterycharged.co.uk