



UPS series

UPS 12580 12V 580W



Valve Regulated Lead Acid Battery

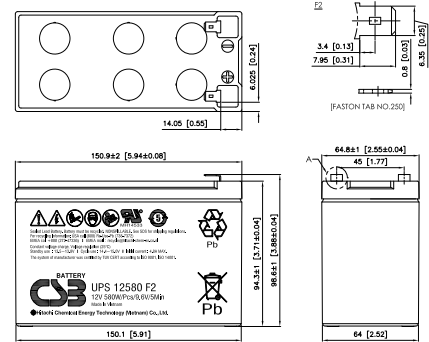
Maintenance-Free Sealed Lead Acid Battery.

Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99%.

Design for Standby Power Applications

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>【Design Life】 Up to 5 Years in Standby Service at 25°C Eurobat (20°C) : 3-5 years, Standard Commercial</p> <p>【Operating Temperature Range】 Nominal Operating Temperature : 25°C (77°F) Discharge : -15°C ~ 50°C (5°F~122°F) Charge: -15°C ~ 40°C (5°F~104°F) Storage: -15°C ~ 40°C (5°F~104°F)</p> | <p>【Float Charging Voltage】 13.5 ~ 13.8 VDC/Unit at 25°C (77°F)</p> <p>【Equalization Charging Voltage】 14.4 ~ 15.0 VDC/Unit at 25°C (77°F)</p> <p>【Self Discharge】 Less than 10% after 90 days, can be stored up to 6 months at 25°C (77°F); Fully recharging is required before usage, and charged sooner if stored at higher temperature than 25°C (77°F).</p> |
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| Specification | | Design according with IEC 61056-1/2:2012 | |
|---------------------------|-----------------------------------------------------------------|------------------------------------------|----------------|
| Nominal Voltage | 12V (6 cells per unit) | | |
| Nominal Capacity | 580W @5min-rate to 9.60V per PCS @25°C (77°F) | | |
| Weight | Approx. 2.83 Kg (6.24 lbs) | | |
| Maximum Discharge Current | 130 A (5sec) | | |
| Internal Resistance | Approx. 11.80 mΩ | | |
| Short Circuit Current | 575A | | |
| Maximum Charge Current | 4.8 A | | |
| Terminal type | F2 terminal -Faston Tab 250 | | |
| Terminal hardware Torque | -- | | |
| Container Material | ABS (UL 94-HB) & Flame Retardant (94-V0) available upon request | | |
| Dimensions | Length (L) | 150.9±2.0 mm | 5.94±0.08 inch |
| | Width (W) | 64.8±1.0 mm | 2.55±0.04 inch |
| | Container Height (h) | 94.3±1.0 mm | 3.71±0.04 inch |
| | Overall Height (H) | 98.6±1.0 mm | 3.88±0.04 inch |



| Constant Current Discharge Characteristics Unit: A (25°C, 77°F) | | | | | | | | | | | | |
|-----------------------------------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
| 1.60V | 95.1 | 63.4 | 54.1 | 47.2 | 38.5 | 32.3 | 23.0 | 18.3 | 13.2 | 9.42 | 7.42 | 5.31 |
| 1.67V | 85.3 | 60.2 | 51.7 | 45.6 | 37.6 | 31.7 | 22.7 | 18.1 | 13.0 | 9.30 | 7.33 | 5.20 |
| 1.70V | 81.1 | 58.4 | 50.4 | 44.6 | 37.1 | 31.3 | 22.7 | 18.0 | 12.9 | 9.20 | 7.24 | 5.17 |
| 1.75V | 73.6 | 53.7 | 47.2 | 42.2 | 35.6 | 30.1 | 22.1 | 17.5 | 12.7 | 9.05 | 7.11 | 5.03 |
| 1.80V | 66.1 | 48.8 | 43.2 | 39.3 | 33.2 | 28.4 | 21.1 | 16.9 | 12.4 | 8.82 | 6.92 | 4.91 |
| 1.85V | 59.4 | 43.5 | 39.3 | 36.3 | 30.3 | 26.1 | 19.6 | 15.8 | 11.7 | 8.38 | 6.61 | 4.70 |

| Constant Power Discharge Characteristics Unit: W (25°C, 77°F) | | | | | | | | | | | | |
|---------------------------------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| F.V/Time | 2MIN | 4MIN | 5MIN | 6MIN | 8MIN | 10MIN | 15MIN | 20MIN | 30MIN | 45MIN | 60MIN | 90MIN |
| 1.60V | 908 | 663 | 580 | 516 | 427 | 361 | 262 | 208 | 150 | 108 | 84.2 | 59.3 |
| 1.67V | 877 | 643 | 565 | 504 | 420 | 356 | 261 | 206 | 149 | 107 | 84.0 | 58.9 |
| 1.70V | 859 | 630 | 556 | 499 | 414 | 353 | 258 | 205 | 149 | 106 | 83.6 | 58.8 |
| 1.75V | 808 | 601 | 538 | 481 | 402 | 343 | 254 | 203 | 148 | 105 | 83.1 | 58.4 |
| 1.80V | 750 | 568 | 505 | 458 | 383 | 329 | 245 | 197 | 145 | 104 | 81.7 | 57.6 |
| 1.85V | 674 | 514 | 463 | 424 | 352 | 305 | 229 | 186 | 138 | 99.5 | 78.9 | 55.6 |

Please refer to the official site for the latest rating confirmation. URL: www.csb-battery.com

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Recognized under UL 1989,
and certified by ISO 9001, 14001.

