



HIGH RATE MAX



Valve Regulated Lead Acid Battery
Designed for UPS Standby Power Applications.

FEATURES & BENEFITS

- 10 year design life @ 25°C
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- 3 Year Warranty (refer Dynasty warranty card, 41-9026)
- Patented Long Life Alloy having the lowest calcium levels in the industry - minimizing grid growth, reducing gassing, and extending battery life.
- Patented UL Recognized Flame-arresting vents in each cell for safety and long life.
- Designed with the same recombination, thermal runaway prevention, gassing and flame retardant characteristics of the Bellcore 4228 compliant Dynasty Telecom products.
- Flame retardant polypropylene case and cover compliant with UL 1778
- Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- Thermally welded case-to-cover bond to eliminate leakage.
- Can be operated in any orientation. Upright, side or end mounting recommended.
- Not restricted for air transport - Complies with IATA/ICAO Special Provisions A67.
- Not restricted for surface transport - Classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189.
- Not restricted for water transport - Classified as non-hazardous material per IMDG Amendment 27.

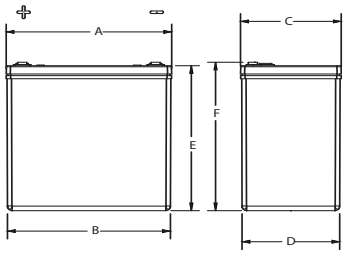
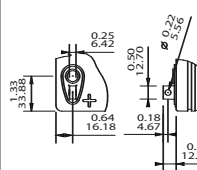
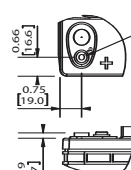
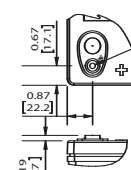
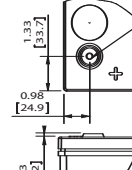
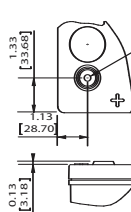
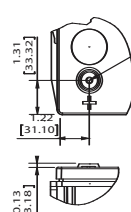
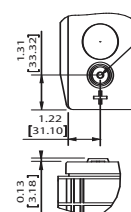
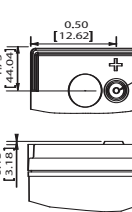
TECHNICAL DATA

| Model | Voltage | Watts Per Cell @ 77°F (25°C) | | | | | | | | | | Weight lbs | Weight kg |
|-------------|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|--------------|
| | | Operating Time (in minutes) to 1.67 Volts per Cell | | | | | | | | | | | |
| | | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 | | |
| UPS12-100MR | 12 | 172 | 117 | 91 | 75 | 57 | 47 | 43 | 39 | 35 | 24 | 21 | 10 |
| UPS12-150MR | 12 | 288 | 192 | 148 | 120 | 89 | 71 | 65 | 60 | 51 | 36 | 27.3 | 12.4 |
| UPS12-210MR | 12 | 376 | 257 | 206 | 170 | 125 | 101 | 92 | 85 | 73 | 52 | 40 | 18 |
| UPS12-300MR | 12 | 550 | 382 | 300 | 244 | 179 | 144 | 131 | 121 | 105 | 76 | 58.4 | 26.5 |
| UPS12-350MR | 12 | 620 | 440 | 350 | 290 | 217 | 171 | 155 | 141 | 122 | 87 | 67.4 | 30.5 |
| UPS12-400MR | 12 | 720 | 505 | 400 | 325 | 237 | 189 | 172 | 158 | 136 | 98 | 75.8 | 34.4 |
| UPS12-490MR | 12 | 773 | 590 | 488 | 412 | 317 | 256 | 236 | 218 | 189 | 136 | 100 | 45 |
| UPS12-540MR | 12 | 868 | 654 | 537 | 450 | 344 | 277 | 252 | 230 | 198 | 139 | 100 | 45 |
| UPS6-620MR | 6 | 940 | 750 | 620 | 525 | 410 | 333 | 309 | 285 | 245 | 173 | 72 | 33 |

SPECIFICATIONS

| | |
|--|---|
| Operating Temperature Range with temperature compensation | Discharge: -40°F (-40°C) to +160°F (71°C) Charge: -10°F (-23°C) to +140°F (60°C) |
| Nominal Operating Temperature Range | +74°F (-23°C) to +80°F (27°C) |
| Recommended Maximum Charging Current Limit | C/5 amperes @ 20hr rate |
| Float Charging Voltage | 13.65 ± 1.5 VDC average per 12V unit (6.75 to 6.90 per 6V unit) |
| Maximum AC Ripple (Charger) | 0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. |
| Self Discharge | Up to 6 months at 25°C and then a freshening charge is required. For higher temps, the time interval will increase. freshening charge is required. For higher temperatures the time interval will be shorter. For lower temperatures time interval will decrease equalization charge. |
| Equalize charge and cycle service voltage | 14.40 to 14.80 VDC average per 12V unit @ 77°F (25°C) (7.20 to 7.40 VDC per 6V unit.) |
| Terminal: Flag | 0.22 in. clearance hole to accept 0.1875 in. bolt (UPS12-100MR) |
| Terminal: Inserted | Threaded copper alloy insert terminal to accept 10-32 UNF bolt (UPS12-150MR, UPS12-210MR) 1/4-20 UNC bolt (UPS12-300MR, UPS12-350MR, UPS12-400MR, UPS12-490MR, UPS12-540MR, UPS6-620MR) |
| Terminal Hardware Annual Retorque | 32 in.-lbs (3.48 N-m)(UPS12-100MR) |
| Terminal Hardware Initial Torque: Inserted Terminal | 40 in.-lbs. (4.5 N-m)(UPS12-100MR) 25 in.-lbs. (2.8 N-m) (UPS12-150MR, UPS12-210MR) 110 in.-lbs. (12.4 N-m) (UPS12-300MR, UPS12-350MR, UPS12-400MR, UPS12-490MR, UPS12-540MR, UPS6-620MR) |

DIMENSIONS

| |  | | | | | | Battery Termination | | | |
|--------------------|---|------------------|-----------------|-----------------|------------------|------------------|---|---|---|---|
| | | | | | | | UPS12-100MR | UPS12-150MR | UPS12-210MR | UPS 12-300MR |
| | | | | | | |  |  |  |  |
| | A | B | C | D | E | F | UPS12-350MR | UPS12-400MR | UPS12-490MR/UPS12-540MR | UPS6-620MR |
| UPS12-100MR | 6.54 (166.2) | 6.45 (163.7) | 5.17 (131.3) | 5.07 (128.8) | 6.37 (161.7) | 6.86 (174.3) |  |  |  |  |
| UPS12-150MR | 7.76 (197.1) | 7.54 (191.4) | 5.19 (131.9) | 5.02 (127.6) | 6.52 (165.7) | 6.80 (172.7) | | | | |
| UPS12-210MR | 9.0 (228.6) | 8.86 (225.1) | 5.48 (139.2) | 5.31 (134.8) | 7.89 (200.3) | 8.07 (205.1) | | | | |
| UPS12-300MR | 10.27 (260.9) | 10.17 (258.4) | 6.83 (173.4) | 6.65 (168.9) | 7.89 (200.3) | 8.01 (203.5) | | | | |
| UPS12-350MR | 12.04 (305.8) | 11.95 (303.5) | 6.83 (173.4) | 6.65 (168.9) | 7.94 (201.6) | 8.06 (204.8) | | | | |
| UPS12-400MR | 13.42 (340.9) | 12.75 (323.7) | 6.80 (172.7) | 6.54 (166.0) | 8.40 (213.2) | 8.52 (216.4) | | | | |
| UPS12-490MR | 13.57 (344.7) | 12.74 (323.6) | 6.80 (172.7) | 6.63 (168.4) | 10.81 (274.5) | 10.93 (277.7) | | | | |
| UPS6-620MR | 12.63 (320.8) | 12.51 (317.8) | 6.97 (177.0) | 6.83 (173.4) | 8.82 (224.0) | 8.94 (227.2) | | | | |

*All dimensions in millimeters. All dimensions are for reference only. Contact a C&D Representative for complete dimension information.

UPS12-100MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|----|----|----|----|----|----|----|----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 158 | 111 | 87 | 73 | 56 | 46 | 42 | 39 | 34 | 24 |
| 1.70 | 168 | 115 | 90 | 75 | 57 | 47 | 43 | 40 | 35 | 24 |
| 1.67 | 172 | 117 | 91 | 75 | 57 | 47 | 43 | 40 | 35 | 24 |
| 1.65 | 174 | 118 | 91 | 76 | 57 | 47 | 43 | 40 | 35 | 25 |
| 1.60 | 179 | 119 | 92 | 76 | 58 | 47 | 43 | 40 | 35 | 25 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | | | | | | |
| End Point Volts/Cell | .083 | .25 | .50 | .75 | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 | 100 |
| 1.90 | 51.1 | 33.0 | 22.4 | 18.2 | 14.0 | 6.30 | 6.05 | 3.94 | 2.62 | 2.14 | 1.82 | 1.14 | 0.96 | 0.34 | 0.24 |
| 1.85 | 62.8 | 38.4 | 25.3 | 20.5 | 15.6 | 9.10 | 6.60 | 4.29 | 2.85 | 2.33 | 1.98 | 1.24 | 1.05 | 0.37 | 0.26 |
| 1.80 | 72.3 | 42.1 | 27.1 | 21.8 | 16.4 | 9.50 | 6.86 | 4.45 | 2.95 | 2.41 | 2.05 | 1.28 | 1.08 | 0.38 | 0.27 |
| 1.75 | 80.0 | 44.3 | 28.1 | 22.5 | 16.9 | 9.75 | 7.00 | 4.53 | 3.00 | 2.45 | 2.08 | 1.30 | 1.10 | 0.39 | 0.28 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-150MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|----|------|------|------|------|------|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 270 | 182 | 141 | 115 | 86 | 69.0 | 63.0 | 58.0 | 49.7 | 35.0 |
| 1.70 | 282 | 188 | 144 | 118 | 87 | 70.0 | 63.9 | 58.8 | 50.4 | 35.5 |
| 1.67 | 288 | 192 | 148 | 120 | 89 | 71.1 | 64.9 | 59.5 | 51.0 | 36.0 |
| 1.65 | 292 | 196 | 150 | 122 | 90 | 71.8 | 65.3 | 60.0 | 51.5 | 36.3 |
| 1.60 | 296 | 200 | 152 | 123 | 91 | 72.5 | 66.0 | 60.5 | 51.8 | 36.5 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 22.5 | 12.5 | 8.80 | 5.68 | 3.76 | 3.10 | 2.63 | 1.65 | 1.39 | 0.47 |
| 1.80 | 23.8 | 13.1 | 9.20 | 5.90 | 3.90 | 3.21 | 2.72 | 1.69 | 1.42 | 0.48 |
| 1.75 | 25.2 | 13.7 | 9.52 | 6.05 | 4.00 | 3.29 | 2.78 | 1.73 | 1.45 | 0.49 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-210MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|----|------|------|------|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 340 | 240 | 195 | 164 | 121 | 98 | 90 | 83.0 | 71.8 | 51.0 |
| 1.70 | 366 | 252 | 201 | 168 | 123 | 99 | 91 | 84.2 | 72.8 | 52.0 |
| 1.67 | 376 | 257 | 206 | 170 | 125 | 101 | 92 | 85.0 | 73.3 | 52.4 |
| 1.65 | 380 | 259 | 207 | 171 | 126 | 101 | 93 | 85.4 | 73.8 | 52.6 |
| 1.60 | 392 | 261 | 209 | 172 | 127 | 102 | 93 | 86.0 | 74.2 | 52.8 |

| Constant Power Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 33.0 | 18.7 | 13.3 | 8.60 | 5.78 | 4.74 | 4.02 | 2.50 | 2.10 | 0.73 |
| 1.80 | 35.0 | 19.5 | 13.9 | 9.20 | 6.10 | 5.02 | 4.25 | 2.63 | 2.21 | 0.76 |
| 1.75 | 36.5 | 20.6 | 14.5 | 9.40 | 6.23 | 5.09 | 4.30 | 2.67 | 2.24 | 0.77 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-300MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 496 | 360 | 282 | 234 | 174 | 140 | 128 | 118 | 103 | 74 |
| 1.70 | 530 | 373 | 294 | 240 | 177 | 142 | 130 | 120 | 104 | 75 |
| 1.67 | 550 | 382 | 300 | 244 | 179 | 144 | 131 | 121 | 105 | 76 |
| 1.65 | 566 | 387 | 303 | 246 | 181 | 146 | 133 | 122 | 106 | 77 |
| 1.60 | 580 | 391 | 306 | 248 | 183 | 147 | 134 | 123 | 107 | 78 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 48.4 | 27.1 | 19.6 | 12.6 | 8.34 | 6.85 | 5.80 | 3.60 | 3.03 | 1.05 |
| 1.80 | 50.7 | 28.3 | 20.3 | 13.1 | 8.81 | 7.27 | 6.15 | 3.80 | 3.18 | 1.08 |
| 1.75 | 52.5 | 29.0 | 20.6 | 13.4 | 9.13 | 7.50 | 6.35 | 3.89 | 3.25 | 1.10 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-350MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 540 | 410 | 327 | 274 | 205 | 164 | 149 | 137 | 118 | 85 |
| 1.70 | 596 | 425 | 337 | 283 | 211 | 167 | 152 | 140 | 120 | 86 |
| 1.67 | 620 | 440 | 350 | 290 | 217 | 171 | 155 | 141 | 122 | 87 |
| 1.65 | 640 | 455 | 360 | 298 | 219 | 173 | 157 | 144 | 123 | 88 |
| 1.60 | 672 | 470 | 370 | 303 | 222 | 175 | 159 | 145 | 125 | 89 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|-------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 53.0 | 31.0 | 22.1 | 14.8 | 10.08 | 8.34 | 7.08 | 4.40 | 3.71 | 1.29 |
| 1.80 | 59.0 | 33.5 | 23.7 | 15.6 | 10.63 | 8.74 | 7.42 | 4.55 | 3.83 | 1.32 |
| 1.75 | 63.0 | 35.1 | 24.8 | 16.1 | 11.00 | 9.00 | 7.58 | 4.65 | 3.90 | 1.34 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-400MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 616 | 461 | 377 | 312 | 230 | 184 | 168 | 154 | 133 | 96 |
| 1.70 | 680 | 490 | 390 | 319 | 234 | 187 | 170 | 156 | 135 | 97 |
| 1.67 | 720 | 505 | 400 | 325 | 237 | 189 | 172 | 158 | 136 | 98 |
| 1.65 | 740 | 515 | 406 | 329 | 239 | 191 | 174 | 160 | 137 | 99 |
| 1.60 | 770 | 525 | 412 | 333 | 241 | 193 | 175 | 161 | 138 | 100 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 56.0 | 33.0 | 23.9 | 15.8 | 10.8 | 8.90 | 7.58 | 4.77 | 4.00 | 1.38 |
| 1.80 | 62.0 | 35.3 | 25.3 | 16.6 | 11.4 | 9.44 | 8.02 | 4.99 | 4.18 | 1.43 |
| 1.75 | 68.0 | 38.0 | 27.0 | 17.6 | 11.9 | 9.80 | 8.30 | 5.10 | 4.27 | 1.46 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-490MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 660 | 525 | 444 | 385 | 300 | 245 | 224 | 208 | 183 | 133 |
| 1.70 | 740 | 570 | 472 | 401 | 310 | 252 | 231 | 214 | 186 | 135 |
| 1.67 | 773 | 590 | 488 | 412 | 317 | 256 | 236 | 218 | 189 | 136 |
| 1.65 | 800 | 614 | 500 | 418 | 322 | 260 | 238 | 220 | 191 | 137 |
| 1.60 | 840 | 644 | 513 | 428 | 327 | 264 | 241 | 222 | 192 | 138 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.85 | 80.9 | 47.2 | 34.4 | 22.5 | 15.0 | 12.3 | 10.5 | 6.58 | 5.53 | 1.93 |
| 1.80 | 85.5 | 50.9 | 36.3 | 23.5 | 15.5 | 12.8 | 10.9 | 6.79 | 5.70 | 1.99 |
| 1.75 | 90.3 | 53.2 | 37.8 | 24.2 | 16.1 | 13.2 | 11.2 | 6.96 | 5.84 | 2.03 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS12-540MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 723 | 564 | 472 | 405 | 320 | 261 | 239 | 220 | 190 | 136 |
| 1.70 | 825 | 625 | 512 | 432 | 334 | 270 | 247 | 226 | 193 | 137.5 |
| 1.67 | 868 | 654 | 537 | 450 | 344 | 277 | 252 | 230 | 198 | 139 |
| 1.65 | 904 | 679 | 554 | 459 | 350 | 282 | 256 | 234 | 200 | 141 |
| 1.60 | 952 | 696 | 564 | 465 | 354 | 284 | 258 | 237 | 202 | 143 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | |
| End Point Volts/Cell | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 |
| 1.90 | 75.0 | 44.0 | 32.0 | 21.4 | 14.4 | 11.9 | 10.1 | 6.35 | 5.35 | 1.85 |
| 1.85 | 85.0 | 49.5 | 35.8 | 23.4 | 15.8 | 13.0 | 11.1 | 6.94 | 5.88 | 2.00 |
| 1.80 | 90.0 | 53.0 | 38.0 | 24.6 | 16.4 | 13.6 | 11.5 | 7.20 | 6.06 | 2.07 |
| 1.75 | 95.0 | 56.0 | 39.9 | 25.6 | 16.9 | 13.9 | 11.8 | 7.35 | 6.17 | 2.11 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

UPS6-620MR

| Constant Power Discharge Ratings - Watts Per Cell @ 77°F (25°C) | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Operating Time to End Point Voltage (in minutes) | | | | | | | | | | |
| End Point Volts/Cell | 5 | 10 | 15 | 20 | 30 | 40 | 45 | 50 | 60 | 90 |
| 1.75 | 840 | 680 | 575 | 500 | 395 | 320 | 297 | 275 | 242 | 168 |
| 1.70 | 890 | 720 | 600 | 520 | 405 | 332 | 306 | 280 | 243 | 170 |
| 1.67 | 940 | 750 | 620 | 525 | 410 | 333 | 309 | 285 | 245 | 173 |
| 1.65 | 950 | 760 | 630 | 532 | 414 | 335 | 311 | 288 | 248 | 176 |
| 1.60 | 1000 | 790 | 650 | 550 | 420 | 340 | 315 | 290 | 250 | 178 |

| Constant Current Discharge Ratings - Amperes @ 77°F (25°C) | | | | | | | | | | | | | | | |
|--|------|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|
| Operating Time to End Point Voltage (in hours) | | | | | | | | | | | | | | | |
| End Point Volts/Cell | .083 | .25 | .50 | .75 | 1 | 2 | 3 | 5 | 8 | 10 | 12 | 20 | 24 | 72 | 100 |
| 1.90 | 250 | 207 | 149 | 122 | 94.0 | 57.7 | 42.0 | 27.9 | 19.0 | 15.8 | 13.5 | 8.70 | 7.31 | 2.51 | 1.82 |
| 1.85 | 332 | 248 | 174 | 142 | 110 | 62.7 | 45.5 | 30.0 | 20.3 | 16.9 | 14.5 | 9.30 | 7.84 | 2.73 | 1.98 |
| 1.80 | 418 | 288 | 196 | 158 | 120 | 68.0 | 48.3 | 31.6 | 21.3 | 17.6 | 15.2 | 9.80 | 8.21 | 2.83 | 2.05 |
| 1.75 | 454 | 312 | 208 | 166 | 123 | 69.5 | 50.0 | 32.4 | 22.0 | 18.2 | 15.6 | 10.0 | 8.38 | 2.87 | 2.08 |

Note: Batteries to be mounted with 0.5 in. (1.25 cm) spacing minimum and free air ventilation. Specifications subject to change without notification.

| High Rate Max Part Number | Manufacturer Approved Premium Replacement for: |
|---------------------------|--|
| UPS12-100MR | UPS12-100FR |
| UPS12-150MR | UPS12-140FR & MR12-150 |
| UPS12-210MR | UPS12-170FR, UPS12-200FR & MR12-210 |
| UPS12-300MR | UPS12-270FR & MR12-300 |
| UPS12-350MR | UPS12-310FR & MR12-350 |
| UPS12-400MR | UPS12-370FR & MR12-400 |
| UPS12-490MR | UPS12-475FR & MR12-490 |
| UPS12-540MR | UPS12-530FR & MR12-540 |
| UPS6-620MR | UPS6-620FR |

Also Available
UPS CABINET SOLUTIONS



SITES THAT USE UPS HIGH RATE MAX BATTERIES INCLUDE:

- Data Centers
- Network Operations Centers
- Industrial Process Control Facilities
- Internet Housing Sites
- Semiconductor Manufacturing
- Banks & Financial Markets
- Power Generation Plants
- Hospitals & Testing Laboratories
- Emergency 911 response centers

Call 1.800.396.2789 for more information.

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