



The DataSafe™ CX is an economical multicell flat plate battery. The CX Unit is optimized for high performance and provides excellent short duration discharge rates. Ideally suited for UPS but can be used in utility switchgear applications as well.

The Datasafe CX now features the Slide-Lock™ post seal design. The DataSafe CX features a larger copper insert in the Slide-Lock™ post. The number of plates and plate thickness are optimized with respect to the available electrolyte ensuring maximum performance during short duration discharges.

The DataSafe CX was designed for easier maintenance since all the posts and connectors reside above the cell cover; maintenance routines, including individual cell monitoring and intercell resistance measurements are simplified. The economical design and footprint, combined with Slide-Lock™ post and excellent performance in short duration discharges makes this an ideal battery in UPS and switchgear applications.

Features

- Slide-Lock™ post seal design.
- Calcium alloy grids for lowest water loss, resulting in lowest maintenance costs.
- Lead plated copper posts provide high 1-minute rates.
- 100% Initial capacity.
- 20 year life expectancy in floating applications where high ambient temperature is not a factor.
- The number of plates and the plate thickness have been optimized with respect to the available free electrolyte to ensure maximum performance during short duration discharges without sacrificing component integrity.
- Installation services and preventative maintenance packages available.

Standards

- Manufactured in EnerSys production facilities certified to ISO 9001: 2000.
- Manufactured in EnerSys production facilities certified to ISO 14001: 2004.
- Available testing to IEEE 450 standards as well as customer specific applications.

Specifications

- Plate thickness:
Positive: 0.20 in/5.1 mm
Negative: 0.14 in/3.6 mm
- Plate dimensions:

| Height | Width |
|---------------------|----------------|
| Pos: 7.75 in/197 mm | 8.00 in/203 mm |
| Neg: 7.75 in/197 mm | 8.00 in/203 mm |
- Plate suspension type:
Positive: Bottom supported
Negative: Bottom supported
- Container:
Styrene Acrylonitrile Copolymer, optional PC
- Cover: Made from flame retardant PVC, (UL94-VO/L.O.I. 28%)
- Separators: Microporous plastic
- Bolt connectors: Stainless steel, Standard English measure, Hex-Head
- Interunit connectors: Lead-plated copper
- Electrolyte over plates: 2.38 in/60.5 mm
- Vent type: Flame Arrestor, Fused Alumina
- Float voltage settings: Acceptable min/max: 2.17/2.26 Vpc, Recommended: 2.25 Vpc
- Sediment space: 1.00 in/25.4 mm
- Post seal type: Slide-Lock™
- Specific gravity: 1.215 standard (1.250 available upon request)

NOTE: All inter-cell, inter-tier, inter-step, end-to-end inter-rack, and back-to-back inter-rack connectors for standard configurations are included with every battery. Across-aisle inter-rack connectors are not included.

General Specifications

| TYPE* | NOM. Ah CAP. | Nominal Dimensions | | | | | | Weights - Volumes | | | | | | | |
|---------|--------------|--------------------|-----|-------|-----|--------|-----|-------------------|------|-----------------|------|------------------------------|------|-----|------|
| | | Length** | | Width | | Height | | Unpacked | | Domestic Packed | | Electrolyte Only / 1.215 SG. | | | |
| | | in | mm | in | mm | in | mm | lb | kg | lb | kg | lb | kg | gal | l |
| 2CX-5M | 65 | 7.0 | 178 | 9.0 | 229 | 14.8 | 375 | 44 | 20.0 | 49 | 22.2 | 10 | 4.5 | 1.0 | 3.8 |
| 3CX-5M | 65 | 7.0 | 178 | 9.0 | 229 | 14.8 | 375 | 65 | 29.5 | 71 | 32.2 | 16 | 7.3 | 1.5 | 5.7 |
| 2CX-7M | 98 | 7.0 | 178 | 9.0 | 229 | 14.8 | 375 | 49 | 22.2 | 53 | 24.0 | 9 | 4.1 | 0.9 | 3.4 |
| 3CX-7M | 98 | 7.0 | 178 | 9.0 | 229 | 14.8 | 375 | 73 | 33.1 | 78 | 35.4 | 13 | 5.9 | 1.4 | 5.3 |
| 2CX-9M | 130 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 72 | 32.7 | 81 | 36.7 | 24 | 10.9 | 2.4 | 9.1 |
| 3CX-9M | 130 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 107 | 48.5 | 114 | 51.7 | 36 | 16.5 | 3.5 | 13.2 |
| 2CX-11M | 162 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 76 | 34.5 | 87 | 39.5 | 21 | 9.5 | 2.1 | 7.9 |
| 3CX-11M | 162 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 114 | 51.7 | 122 | 55.3 | 32 | 14.5 | 3.2 | 12.1 |
| 2CX-13M | 195 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 81 | 36.7 | 88 | 39.9 | 20 | 9.1 | 2.0 | 7.6 |
| 3CX-13M | 195 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 121 | 54.9 | 128 | 58.1 | 30 | 13.6 | 3.0 | 11.4 |
| 2CX-15M | 227 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 84 | 38.1 | 90 | 40.8 | 21 | 9.5 | 2.0 | 7.6 |
| 3CX-15M | 227 | 12.2 | 310 | 9.0 | 229 | 14.8 | 375 | 125 | 56.7 | 132 | 59.9 | 31 | 14.1 | 3.1 | 11.7 |

* Suffix number indicates total plates per cell. Prefix number indicates total cells per jar.

** 0.25" must be added between cells for spacing purposes when calculating total battery length.

† Nominal Amp hour capacity at the 8 hour rate - 1.215 S.G.

1.215 Specific Gravity

Discharge Rates in Amperes per Cell to 1.75Vpc at 25°C (77°F)*

| Type | NOM. Ah CAP ² | Minutes | | | | Hours | | | | | | | | |
|--------|--------------------------------|---------|-----|-----|-----|-------|-----|----|----|----|----|----|----|------|
| | | 1 | 5 | 15 | 30 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CX-5M | 65 | 146 | 128 | 96 | 68 | 44 | 33 | 27 | 19 | 15 | 13 | 11 | 9 | 8.1 |
| CX-7M | 98 | 219 | 192 | 143 | 102 | 66 | 49 | 40 | 29 | 23 | 19 | 16 | 14 | 12.2 |
| CX-9M | 130 | 292 | 256 | 191 | 136 | 87 | 66 | 53 | 39 | 30 | 25 | 21 | 18 | 16.3 |
| CX-11M | 162 | 365 | 320 | 239 | 170 | 109 | 82 | 66 | 48 | 38 | 31 | 27 | 23 | 20.3 |
| CX-13M | 195 | 437 | 384 | 287 | 203 | 131 | 99 | 80 | 58 | 46 | 28 | 32 | 28 | 24.4 |
| CX-15M | 227 | 510 | 448 | 335 | 237 | 153 | 115 | 93 | 68 | 53 | 44 | 37 | 32 | 28.4 |

1.250 Specific Gravity

Discharge Rates in Amperes per Cell to 1.75Vpc at 25°C (77°F)*

| Type | NOM. Ah CAP ² | Minutes | | | | Hours | | | | | | | | |
|---------|--------------------------------|---------|-----|-----|-----|-------|-----|-----|----|----|----|----|----|------|
| | | 1 | 5 | 15 | 30 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CX-5MB | 71 | 160 | 141 | 105 | 75 | 48 | 36 | 29 | 21 | 17 | 14 | 12 | 10 | 8.9 |
| CX-7MB | 107 | 241 | 211 | 158 | 112 | 72 | 54 | 44 | 32 | 25 | 21 | 18 | 15 | 13.4 |
| CX-9MB | 143 | 321 | 282 | 210 | 149 | 96 | 72 | 59 | 43 | 33 | 28 | 23 | 20 | 17.9 |
| CX-11MB | 179 | 401 | 352 | 263 | 187 | 120 | 90 | 73 | 53 | 42 | 34 | 29 | 25 | 22.4 |
| CX-13MB | 214 | 481 | 423 | 316 | 224 | 144 | 109 | 88 | 64 | 50 | 41 | 35 | 30 | 26.8 |
| CX-15MB | 250 | 561 | 493 | 368 | 261 | 168 | 127 | 102 | 74 | 59 | 48 | 41 | 35 | 31.3 |

1.215 Specific Gravity

Discharge Rates in Amperes per Cell to 1.67Vpc at 25°C (77°F)*

| Type | NOM. Ah CAP ² | Minutes | | | | Hours | | | | | | | | |
|--------|--------------------------------|---------|-----|-----|-----|-------|-----|----|----|----|----|----|----|------|
| | | 1 | 5 | 15 | 30 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CX-5M | 65 | 175 | 156 | 110 | 74 | 45 | 33 | 27 | 19 | 15 | 13 | 11 | 9 | 8.1 |
| CX-7M | 98 | 262 | 233 | 165 | 111 | 68 | 50 | 40 | 29 | 23 | 19 | 16 | 14 | 12.2 |
| CX-9M | 130 | 350 | 311 | 220 | 148 | 91 | 67 | 54 | 39 | 30 | 25 | 21 | 18 | 16.3 |
| CX-11M | 162 | 437 | 389 | 275 | 185 | 113 | 84 | 67 | 48 | 38 | 31 | 27 | 23 | 20.3 |
| CX-13M | 195 | 525 | 467 | 330 | 222 | 136 | 100 | 80 | 58 | 46 | 38 | 32 | 28 | 24.4 |
| CX-15M | 227 | 612 | 545 | 385 | 258 | 158 | 117 | 94 | 68 | 53 | 44 | 37 | 32 | 28.4 |

1.250 Specific Gravity

Discharge Rates in Amperes per Cell to 1.67Vpc at 25°C (77°F)*

| Type | NOM. Ah CAP ² | Minutes | | | | Hours | | | | | | | | |
|---------|--------------------------------|---------|-----|-----|-----|-------|-----|-----|----|----|----|----|----|------|
| | | 1 | 5 | 15 | 30 | 1 | 1.5 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| CX-5MB | 71 | 192 | 171 | 121 | 81 | 50 | 37 | 29 | 21 | 17 | 14 | 12 | 10 | 8.9 |
| CX-7MB | 107 | 289 | 257 | 182 | 122 | 75 | 55 | 44 | 32 | 25 | 21 | 18 | 15 | 13.4 |
| CX-9MB | 143 | 385 | 342 | 242 | 162 | 100 | 74 | 59 | 43 | 33 | 28 | 23 | 20 | 17.9 |
| CX-11MB | 179 | 481 | 428 | 303 | 203 | 124 | 92 | 74 | 53 | 42 | 34 | 29 | 25 | 22.4 |
| CX-13MB | 214 | 577 | 513 | 363 | 244 | 149 | 110 | 88 | 64 | 50 | 41 | 35 | 30 | 26.8 |
| CX-15MB | 250 | 673 | 599 | 424 | 284 | 174 | 129 | 103 | 75 | 59 | 48 | 41 | 35 | 31.3 |

*Amperes values listed represent 100% of the initial capacity. Includes intercell connector drop.

²Nominal Amper hour capacity at the 8 hour rate.

All data subject to change without notice.

1.250 Specific Gravity

Discharge Rates in kW per Cell** to 1.75Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5MB | 0.269 | 0.233 | 0.225 | 0.217 | 0.210 | 0.203 | 0.198 | 0.192 | 0.188 | 0.183 | 0.179 | 0.175 | 0.158 | 0.142 | 0.110 | 0.094 | 0.069 | 0.057 | 0.045 |
| CX-7MB | 0.404 | 0.349 | 0.337 | 0.326 | 0.315 | 0.305 | 0.297 | 0.289 | 0.282 | 0.275 | 0.269 | 0.263 | 0.237 | 0.213 | 0.166 | 0.142 | 0.103 | 0.086 | 0.067 |
| CX-9MB | 0.538 | 0.466 | 0.450 | 0.434 | 0.420 | 0.407 | 0.396 | 0.385 | 0.376 | 0.367 | 0.359 | 0.351 | 0.316 | 0.284 | 0.221 | 0.189 | 0.138 | 0.115 | 0.090 |
| CX-11MB | 0.673 | 0.583 | 0.562 | 0.543 | 0.525 | 0.509 | 0.495 | 0.482 | 0.470 | 0.459 | 0.449 | 0.439 | 0.395 | 0.355 | 0.277 | 0.237 | 0.172 | 0.144 | 0.113 |
| CX-13MB | 0.808 | 0.699 | 0.675 | 0.652 | 0.630 | 0.611 | 0.594 | 0.578 | 0.564 | 0.551 | 0.538 | 0.527 | 0.474 | 0.427 | 0.332 | 0.284 | 0.207 | 0.173 | 0.135 |
| CX-15MB | 0.942 | 0.816 | 0.788 | 0.761 | 0.736 | 0.713 | 0.693 | 0.674 | 0.658 | 0.643 | 0.628 | 0.615 | 0.553 | 0.498 | 0.388 | 0.332 | 0.242 | 0.202 | 0.158 |

1.250 Specific Gravity

Discharge Rates in kW per Cell** to 1.70Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5MB | 0.289 | 0.253 | 0.244 | 0.236 | 0.228 | 0.221 | 0.215 | 0.209 | 0.204 | 0.199 | 0.194 | 0.190 | 0.169 | 0.151 | 0.118 | 0.099 | 0.069 | 0.057 | 0.046 |
| CX-7MB | 0.433 | 0.379 | 0.367 | 0.354 | 0.342 | 0.332 | 0.322 | 0.314 | 0.306 | 0.298 | 0.291 | 0.285 | 0.254 | 0.226 | 0.177 | 0.149 | 0.103 | 0.086 | 0.069 |
| CX-9MB | 0.578 | 0.506 | 0.489 | 0.472 | 0.457 | 0.443 | 0.430 | 0.418 | 0.408 | 0.398 | 0.389 | 0.380 | 0.339 | 0.302 | 0.236 | 0.199 | 0.138 | 0.115 | 0.092 |
| CX-11MB | 0.722 | 0.633 | 0.611 | 0.590 | 0.571 | 0.553 | 0.537 | 0.523 | 0.510 | 0.497 | 0.486 | 0.475 | 0.423 | 0.378 | 0.296 | 0.249 | 0.172 | 0.144 | 0.115 |
| CX-13MB | 0.867 | 0.759 | 0.734 | 0.709 | 0.685 | 0.664 | 0.645 | 0.628 | 0.612 | 0.597 | 0.583 | 0.570 | 0.508 | 0.453 | 0.355 | 0.299 | 0.207 | 0.173 | 0.138 |
| CX-15MB | 1.011 | 0.886 | 0.856 | 0.827 | 0.800 | 0.775 | 0.752 | 0.732 | 0.714 | 0.697 | 0.680 | 0.665 | 0.593 | 0.529 | 0.414 | 0.349 | 0.242 | 0.202 | 0.161 |

1.250 Specific Gravity

Discharge Rates in kW per Cell** to 1.67Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5MB | 0.300 | 0.265 | 0.256 | 0.247 | 0.239 | 0.232 | 0.225 | 0.219 | 0.213 | 0.208 | 0.203 | 0.198 | 0.176 | 0.156 | 0.122 | 0.102 | 0.069 | 0.057 | 0.046 |
| CX-7MB | 0.451 | 0.397 | 0.384 | 0.371 | 0.359 | 0.348 | 0.338 | 0.328 | 0.320 | 0.312 | 0.305 | 0.298 | 0.264 | 0.234 | 0.184 | 0.154 | 0.103 | 0.086 | 0.070 |
| CX-9MB | 0.601 | 0.530 | 0.512 | 0.495 | 0.479 | 0.464 | 0.450 | 0.438 | 0.427 | 0.416 | 0.407 | 0.397 | 0.352 | 0.313 | 0.245 | 0.205 | 0.138 | 0.115 | 0.093 |
| CX-11MB | 0.751 | 0.663 | 0.640 | 0.619 | 0.598 | 0.580 | 0.563 | 0.548 | 0.534 | 0.521 | 0.508 | 0.496 | 0.440 | 0.391 | 0.307 | 0.256 | 0.172 | 0.144 | 0.116 |
| CX-13MB | 0.902 | 0.795 | 0.769 | 0.743 | 0.718 | 0.696 | 0.676 | 0.657 | 0.641 | 0.625 | 0.610 | 0.596 | 0.528 | 0.469 | 0.368 | 0.308 | 0.207 | 0.173 | 0.139 |
| CX-15MB | 1.052 | 0.928 | 0.897 | 0.867 | 0.838 | 0.812 | 0.788 | 0.767 | 0.747 | 0.729 | 0.712 | 0.695 | 0.617 | 0.547 | 0.430 | 0.359 | 0.242 | 0.202 | 0.163 |

1.250 Specific Gravity

Discharge Rates in kW per Cell** to 1.65Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5MB | 0.318 | 0.275 | 0.265 | 0.256 | 0.248 | 0.240 | 0.233 | 0.226 | 0.220 | 0.215 | 0.210 | 0.205 | 0.182 | 0.162 | 0.126 | 0.105 | 0.069 | 0.057 | 0.047 |
| CX-7MB | 0.478 | 0.413 | 0.398 | 0.385 | 0.372 | 0.360 | 0.349 | 0.340 | 0.331 | 0.323 | 0.315 | 0.307 | 0.273 | 0.243 | 0.190 | 0.158 | 0.103 | 0.086 | 0.070 |
| CX-9MB | 0.637 | 0.550 | 0.531 | 0.513 | 0.496 | 0.480 | 0.466 | 0.453 | 0.441 | 0.430 | 0.420 | 0.410 | 0.364 | 0.325 | 0.253 | 0.211 | 0.138 | 0.115 | 0.094 |
| CX-11MB | 0.796 | 0.688 | 0.664 | 0.641 | 0.620 | 0.600 | 0.583 | 0.566 | 0.552 | 0.538 | 0.525 | 0.512 | 0.455 | 0.406 | 0.316 | 0.264 | 0.172 | 0.144 | 0.118 |
| CX-13MB | 0.956 | 0.825 | 0.797 | 0.770 | 0.744 | 0.720 | 0.699 | 0.680 | 0.662 | 0.645 | 0.630 | 0.615 | 0.546 | 0.487 | 0.380 | 0.317 | 0.207 | 0.173 | 0.141 |
| CX-15MB | 1.115 | 0.963 | 0.930 | 0.898 | 0.868 | 0.841 | 0.816 | 0.793 | 0.772 | 0.753 | 0.735 | 0.717 | 0.638 | 0.568 | 0.443 | 0.370 | 0.242 | 0.202 | 0.165 |

1.250 Specific Gravity

Discharge Rates in kW per Cell** to 1.60Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5MB | 0.360 | 0.298 | 0.288 | 0.279 | 0.269 | 0.261 | 0.253 | 0.245 | 0.238 | 0.231 | 0.225 | 0.219 | 0.193 | 0.174 | 0.134 | 0.110 | 0.069 | 0.057 | 0.048 |
| CX-7MB | 0.540 | 0.448 | 0.432 | 0.418 | 0.404 | 0.392 | 0.380 | 0.368 | 0.357 | 0.347 | 0.338 | 0.329 | 0.290 | 0.261 | 0.201 | 0.166 | 0.103 | 0.086 | 0.072 |
| CX-9MB | 0.721 | 0.597 | 0.577 | 0.558 | 0.539 | 0.522 | 0.506 | 0.491 | 0.477 | 0.463 | 0.450 | 0.438 | 0.387 | 0.348 | 0.269 | 0.221 | 0.138 | 0.115 | 0.096 |
| CX-11MB | 0.901 | 0.747 | 0.721 | 0.697 | 0.674 | 0.653 | 0.633 | 0.614 | 0.596 | 0.579 | 0.563 | 0.548 | 0.484 | 0.435 | 0.336 | 0.277 | 0.172 | 0.144 | 0.120 |
| CX-13MB | 1.081 | 0.896 | 0.865 | 0.836 | 0.809 | 0.784 | 0.759 | 0.737 | 0.715 | 0.695 | 0.676 | 0.658 | 0.581 | 0.522 | 0.403 | 0.332 | 0.207 | 0.173 | 0.144 |
| CX-15MB | 1.261 | 1.046 | 1.010 | 0.976 | 0.944 | 0.914 | 0.886 | 0.860 | 0.834 | 0.811 | 0.788 | 0.767 | 0.678 | 0.609 | 0.470 | 0.388 | 0.242 | 0.202 | 0.168 |

1.215 Specific Gravity

Discharge Rates in kW per Cell** to 1.75Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5M | 0.244 | 0.212 | 0.204 | 0.197 | 0.191 | 0.185 | 0.180 | 0.175 | 0.171 | 0.167 | 0.163 | 0.159 | 0.144 | 0.129 | 0.100 | 0.086 | 0.062 | 0.052 | 0.041 |
| CX-7M | 0.367 | 0.318 | 0.307 | 0.296 | 0.286 | 0.278 | 0.270 | 0.262 | 0.256 | 0.250 | 0.245 | 0.239 | 0.216 | 0.194 | 0.151 | 0.129 | 0.094 | 0.078 | 0.061 |
| CX-9M | 0.489 | 0.424 | 0.409 | 0.395 | 0.382 | 0.370 | 0.360 | 0.350 | 0.342 | 0.334 | 0.326 | 0.319 | 0.288 | 0.259 | 0.201 | 0.172 | 0.125 | 0.105 | 0.082 |
| CX-11M | 0.612 | 0.530 | 0.512 | 0.494 | 0.478 | 0.463 | 0.450 | 0.438 | 0.427 | 0.417 | 0.408 | 0.399 | 0.360 | 0.324 | 0.252 | 0.215 | 0.157 | 0.131 | 0.102 |
| CX-13M | 0.734 | 0.636 | 0.614 | 0.593 | 0.573 | 0.555 | 0.540 | 0.525 | 0.513 | 0.501 | 0.490 | 0.479 | 0.432 | 0.389 | 0.302 | 0.258 | 0.188 | 0.157 | 0.123 |
| CX-15M | 0.857 | 0.742 | 0.717 | 0.692 | 0.669 | 0.648 | 0.630 | 0.613 | 0.598 | 0.584 | 0.571 | 0.559 | 0.503 | 0.453 | 0.353 | 0.302 | 0.220 | 0.184 | 0.143 |

1.215 Specific Gravity

Discharge Rates in kW per Cell** to 1.70Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5M | 0.262 | 0.230 | 0.222 | 0.214 | 0.206 | 0.201 | 0.195 | 0.190 | 0.184 | 0.179 | 0.175 | 0.172 | 0.153 | 0.138 | 0.107 | 0.090 | 0.062 | 0.052 | 0.041 |
| CX-7M | 0.394 | 0.345 | 0.333 | 0.321 | 0.310 | 0.302 | 0.292 | 0.285 | 0.276 | 0.269 | 0.263 | 0.259 | 0.229 | 0.207 | 0.161 | 0.135 | 0.094 | 0.078 | 0.062 |
| CX-9M | 0.525 | 0.460 | 0.444 | 0.428 | 0.413 | 0.402 | 0.391 | 0.380 | 0.368 | 0.359 | 0.351 | 0.345 | 0.306 | 0.277 | 0.215 | 0.180 | 0.125 | 0.105 | 0.083 |
| CX-11M | 0.656 | 0.575 | 0.555 | 0.535 | 0.517 | 0.503 | 0.488 | 0.475 | 0.460 | 0.449 | 0.439 | 0.432 | 0.382 | 0.346 | 0.269 | 0.225 | 0.157 | 0.131 | 0.104 |
| CX-13M | 0.788 | 0.690 | 0.666 | 0.642 | 0.620 | 0.604 | 0.586 | 0.570 | 0.553 | 0.539 | 0.527 | 0.518 | 0.459 | 0.415 | 0.322 | 0.270 | 0.188 | 0.157 | 0.125 |
| CX-15M | 0.919 | 0.805 | 0.777 | 0.749 | 0.724 | 0.704 | 0.684 | 0.666 | 0.645 | 0.629 | 0.615 | 0.601 | 0.536 | 0.485 | 0.376 | 0.315 | 0.220 | 0.184 | 0.146 |

1.215 Specific Gravity

Discharge Rates in kW per Cell** to 1.67Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5M | 0.273 | 0.241 | 0.233 | 0.225 | 0.218 | 0.211 | 0.204 | 0.199 | 0.194 | 0.189 | 0.185 | 0.180 | 0.160 | 0.142 | 0.111 | 0.093 | 0.062 | 0.052 | 0.042 |
| CX-7M | 0.410 | 0.361 | 0.349 | 0.337 | 0.327 | 0.316 | 0.307 | 0.299 | 0.291 | 0.284 | 0.277 | 0.271 | 0.240 | 0.213 | 0.167 | 0.140 | 0.094 | 0.078 | 0.063 |
| CX-9M | 0.546 | 0.482 | 0.466 | 0.450 | 0.436 | 0.422 | 0.401 | 0.398 | 0.388 | 0.379 | 0.370 | 0.361 | 0.320 | 0.284 | 0.223 | 0.186 | 0.125 | 0.105 | 0.084 |
| CX-11M | 0.683 | 0.602 | 0.582 | 0.563 | 0.545 | 0.528 | 0.512 | 0.498 | 0.486 | 0.474 | 0.462 | 0.451 | 0.400 | 0.355 | 0.279 | 0.233 | 0.157 | 0.131 | 0.106 |
| CX-13M | 0.820 | 0.723 | 0.699 | 0.676 | 0.654 | 0.633 | 0.614 | 0.598 | 0.583 | 0.569 | 0.555 | 0.541 | 0.480 | 0.426 | 0.335 | 0.280 | 0.188 | 0.157 | 0.127 |
| CX-15M | 0.957 | 0.844 | 0.816 | 0.788 | 0.763 | 0.739 | 0.717 | 0.698 | 0.680 | 0.663 | 0.647 | 0.632 | 0.561 | 0.498 | 0.391 | 0.327 | 0.220 | 0.184 | 0.148 |

1.215 Specific Gravity

Discharge Rates in kW per Cell** to 1.65Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5M | 0.289 | 0.250 | 0.241 | 0.233 | 0.225 | 0.218 | 0.212 | 0.206 | 0.201 | 0.195 | 0.191 | 0.186 | 0.165 | 0.147 | 0.115 | 0.096 | 0.062 | 0.052 | 0.043 |
| CX-7M | 0.434 | 0.375 | 0.362 | 0.350 | 0.338 | 0.327 | 0.318 | 0.309 | 0.301 | 0.293 | 0.286 | 0.279 | 0.248 | 0.221 | 0.172 | 0.144 | 0.094 | 0.078 | 0.064 |
| CX-9M | 0.579 | 0.500 | 0.403 | 0.467 | 0.451 | 0.436 | 0.424 | 0.412 | 0.402 | 0.391 | 0.382 | 0.372 | 0.331 | 0.295 | 0.230 | 0.192 | 0.125 | 0.150 | 0.086 |
| CX-11M | 0.724 | 0.625 | 0.604 | 0.583 | 0.564 | 0.546 | 0.530 | 0.515 | 0.502 | 0.489 | 0.477 | 0.466 | 0.414 | 0.369 | 0.287 | 0.240 | 0.157 | 0.131 | 0.107 |
| CX-13M | 0.869 | 0.750 | 0.725 | 0.700 | 0.677 | 0.655 | 0.636 | 0.618 | 0.603 | 0.587 | 0.573 | 0.559 | 0.497 | 0.443 | 0.345 | 0.288 | 0.188 | 0.157 | 0.129 |
| CX-15M | 1.014 | 0.876 | 0.846 | 0.817 | 0.790 | 0.765 | 0.742 | 0.722 | 0.703 | 0.685 | 0.669 | 0.652 | 0.580 | 0.517 | 0.403 | 0.337 | 0.220 | 0.184 | 0.150 |

1.215 Specific Gravity

Discharge Rates in kW per Cell** to 1.60Vpc at 25°C (77°F)*

| Type | Minutes | | | | | | | | | | | | | | | Hours | | | |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 5 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 25 | 30 | 45 | 1 | 1.5 | 2 | 3 |
| CX-5M | 0.327 | 0.271 | 0.262 | 0.253 | 0.245 | 0.237 | 0.230 | 0.223 | 0.216 | 0.210 | 0.204 | 0.199 | 0.176 | 0.158 | 0.122 | 0.100 | 0.062 | 0.052 | 0.043 |
| CX-7M | 0.491 | 0.407 | 0.393 | 0.380 | 0.368 | 0.356 | 0.345 | 0.335 | 0.325 | 0.316 | 0.307 | 0.299 | 0.264 | 0.237 | 0.183 | 0.151 | 0.094 | 0.078 | 0.065 |
| CX-9M | 0.655 | 0.543 | 0.524 | 0.507 | 0.490 | 0.475 | 0.460 | 0.446 | 0.433 | 0.421 | 0.409 | 0.398 | 0.352 | 0.316 | 0.244 | 0.201 | 0.125 | 0.105 | 0.087 |
| CX-11M | 0.819 | 0.679 | 0.655 | 0.634 | 0.613 | 0.594 | 0.575 | 0.558 | 0.542 | 0.526 | 0.512 | 0.498 | 0.440 | 0.395 | 0.305 | 0.252 | 0.157 | 0.131 | 0.109 |
| CX-13M | 0.983 | 0.815 | 0.787 | 0.760 | 0.736 | 0.712 | 0.690 | 0.670 | 0.650 | 0.632 | 0.614 | 0.598 | 0.528 | 0.474 | 0.366 | 0.302 | 0.188 | 0.157 | 0.131 |
| CX-15M | 1.147 | 0.951 | 0.918 | 0.887 | 0.858 | 0.831 | 0.806 | 0.781 | 0.758 | 0.737 | 0.717 | 0.698 | 0.617 | 0.554 | 0.428 | 0.353 | 0.220 | 0.184 | 0.153 |

Initial Capacity shall be a minimum of 100% of these values per IEEE 450.

Values include intercell connector drop.
All data subject to change without notice.



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