

Eos

Eos-600

The Eos range of VRLA batteries offers outstanding performance including a 15+ year design life and a cycle life in excess of 1200 cycles to 80% DOD. Built to the highest standards and compliant with the latest IEC60896-21/22 standard this range also offers 100% capacity out-of-the-box and is capable of handling deep discharges for complete peace of mind. The use of flexible connectors and several optional racking systems allows for multiple installation possibilities. This robust design uses the latest AGM technology to create a range that is suitable for many applications including both fixed and mobile telecoms, UPS, utilities and solar.



Specifications

| Battery Model | Eos-600 | | | |
|----------------------------|-------------------------|-------------------|--------------------------------|-------------------|
| Nominal Voltage | 2V | | | |
| Capacity (25°C) | 10HR (60A, 1.80V) | 3HR (150A, 1.80V) | | 1HR (330A, 1.75V) |
| | 600AH | 450AH | | 330AH |
| Dimensions | Length | Width | Height | Total Height |
| | 223mm | 184.5mm | 360.5mm | 372mm |
| Approx. Weight | 35kg | | | |
| Internal Resistance | Approx 0.28mΩ | | | |
| Max Charge Current Allowed | 150A | | | |
| Charge Voltage (25°C) | Cycle use | | Float use | |
| | 2. 35V/cell | | 2. 25V/cell | |
| Temperature Ranges | Operation(maximum): | | -40°C to 55°C (-40°F to 131°F) | |
| | Operation(recommended): | | 15°C to 25°C (59°F to 77°F) | |
| | Storage: | | -20°C to 40°C (-4°F to 104°F) | |
| Terminal | M8 Female | | | |
| Terminal Hardware Torque | 15 ± 1.0Nm | | | |
| Container Material | ABS (V0 optional) | | | |

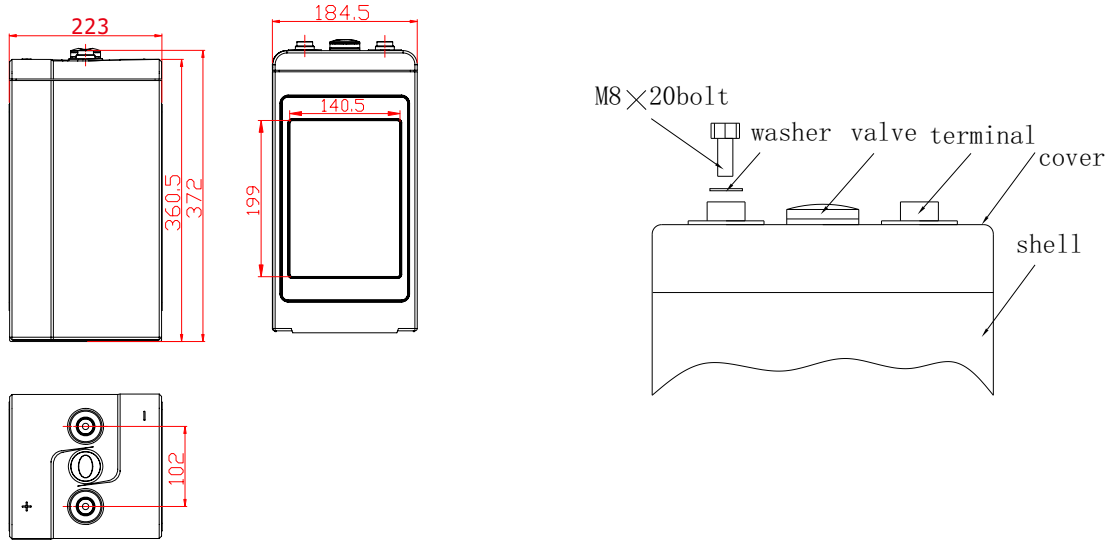
Constant Current Discharge Data Units: Amperes (25°C, 77°F)

| End Voltage | Time (minutes) | | | | Time (hours) | | | | | | | | | |
|-------------|----------------|-----|-----|-----|--------------|-----|-----|-----|------|------|------|------|------|------|
| | 5 | 15 | 30 | 45 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 24 |
| 1.60V | 1000 | 837 | 620 | 478 | 392 | 231 | 170 | 136 | 115 | 99.2 | 79.1 | 65.7 | 55.5 | 29.3 |
| 1.65V | 924 | 781 | 594 | 457 | 372 | 226 | 165 | 132 | 112 | 97.9 | 78.1 | 65.0 | 54.9 | 29.1 |
| 1.70V | 864 | 732 | 546 | 428 | 355 | 217 | 161 | 131 | 111 | 96.6 | 76.6 | 64.0 | 54.3 | 28.9 |
| 1.75V | 823 | 693 | 508 | 409 | 339 | 210 | 156 | 127 | 108 | 95.0 | 75.7 | 63.1 | 53.5 | 28.5 |
| 1.80V | 791 | 653 | 475 | 380 | 317 | 201 | 151 | 123 | 106 | 92.7 | 74.3 | 61.7 | 52.2 | 28.0 |
| 1.83V | 736 | 613 | 452 | 362 | 297 | 192 | 146 | 120 | 103 | 91.0 | 72.9 | 60.4 | 51.3 | 27.4 |
| 1.85V | 701 | 579 | 424 | 344 | 286 | 181 | 143 | 119 | 102 | 89.7 | 72.1 | 60.0 | 51.0 | 27.1 |
| 1.90V | 603 | 490 | 364 | 297 | 254 | 170 | 134 | 113 | 98.2 | 86.4 | 69.4 | 58.0 | 49.5 | 26.5 |
| 1.94V | 542 | 436 | 322 | 261 | 226 | 153 | 123 | 105 | 91.0 | 80.2 | 64.9 | 54.6 | 46.8 | 25.5 |

Constant Power Discharge Data Units: Watts per cell (25°C, 77°F)

| End Voltage | Time (minutes) | | | | Time (hours) | | | | | | | | | |
|-------------|----------------|------|------|-----|--------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| | 5 | 15 | 30 | 45 | 1 | 2 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 24 |
| 1.60V | 1700 | 1424 | 1134 | 941 | 808 | 521 | 386 | 308 | 255 | 218 | 170 | 139 | 119 | 63.7 |
| 1.65V | 1617 | 1366 | 1072 | 878 | 746 | 478 | 362 | 292 | 246 | 211 | 164 | 136 | 116 | 62.2 |
| 1.70V | 1554 | 1318 | 1045 | 840 | 711 | 464 | 349 | 282 | 241 | 207 | 160 | 132 | 113 | 60.3 |
| 1.75V | 1506 | 1268 | 1010 | 810 | 683 | 448 | 337 | 276 | 235 | 202 | 154 | 130 | 111 | 59.4 |
| 1.80V | 1464 | 1209 | 974 | 786 | 667 | 440 | 325 | 267 | 228 | 196 | 150 | 128 | 108 | 58.5 |
| 1.83V | 1384 | 1153 | 919 | 754 | 644 | 422 | 317 | 263 | 223 | 190 | 148 | 125 | 107 | 57.4 |
| 1.85V | 1332 | 1101 | 866 | 714 | 607 | 404 | 307 | 257 | 217 | 186 | 146 | 123 | 105 | 56.3 |
| 1.90V | 1175 | 955 | 731 | 599 | 523 | 350 | 285 | 239 | 203 | 173 | 136 | 114 | 98.5 | 54.0 |
| 1.94V | 1062 | 855 | 655 | 538 | 463 | 324 | 265 | 224 | 192 | 166 | 131 | 109 | 94.1 | 52.5 |

Dimensions (mm)



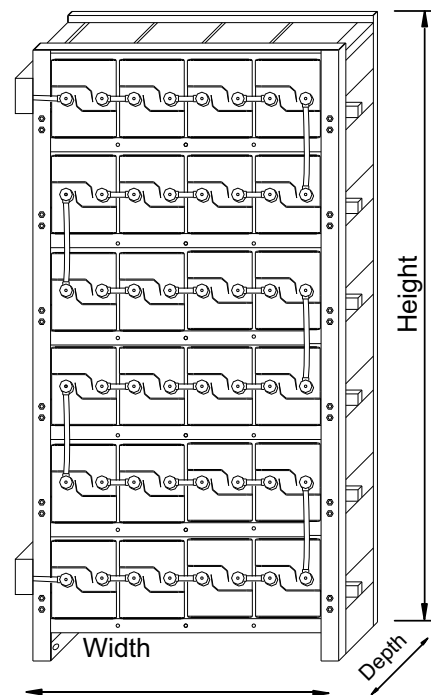
Racking (optional)

Narada racks are constructed using strong, easy to assemble, powder-coated steel tubing and come complete with sliding cover terminal (take-off) plates.

Cell model: Eos-600
 Number of cells: 24
 System Voltage: 48

| Cell Configuration | 2 high 12 wide | 4 high 6 wide | 6 high 4 wide |
|--------------------|-------------------|------------------|------------------|
| Rack Width* | 2510 mm | 1255 mm | 868 mm |
| Rack Depth | 365 mm | 365 mm | 365 mm |
| Rack Height | 644 mm | 1188 mm | 1732 mm |
| System Weight | 923 kg | 923 kg | 923 kg |

* Please allow 100mm for terminal boxes



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