

Model: EosG1200

EosG series

The EosG range of gel technology batteries offers outstanding performance including a 15+ years design life. The EosG series batteries is designed based on the Eos series, using the polymer gel electrolyte. 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 the ability to be installed both horizontally and vertically allows for multiple installation possibilities.



Specifications

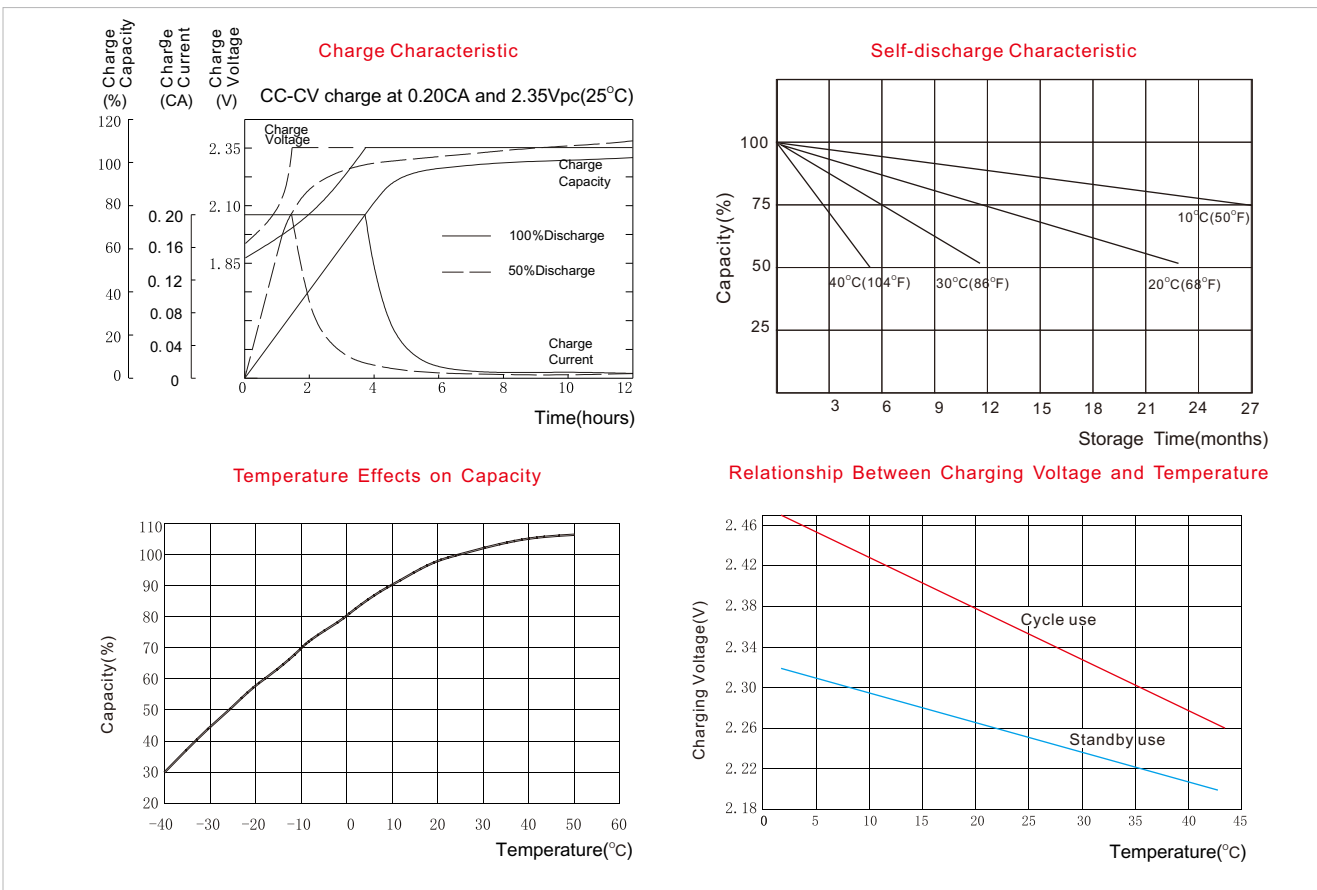
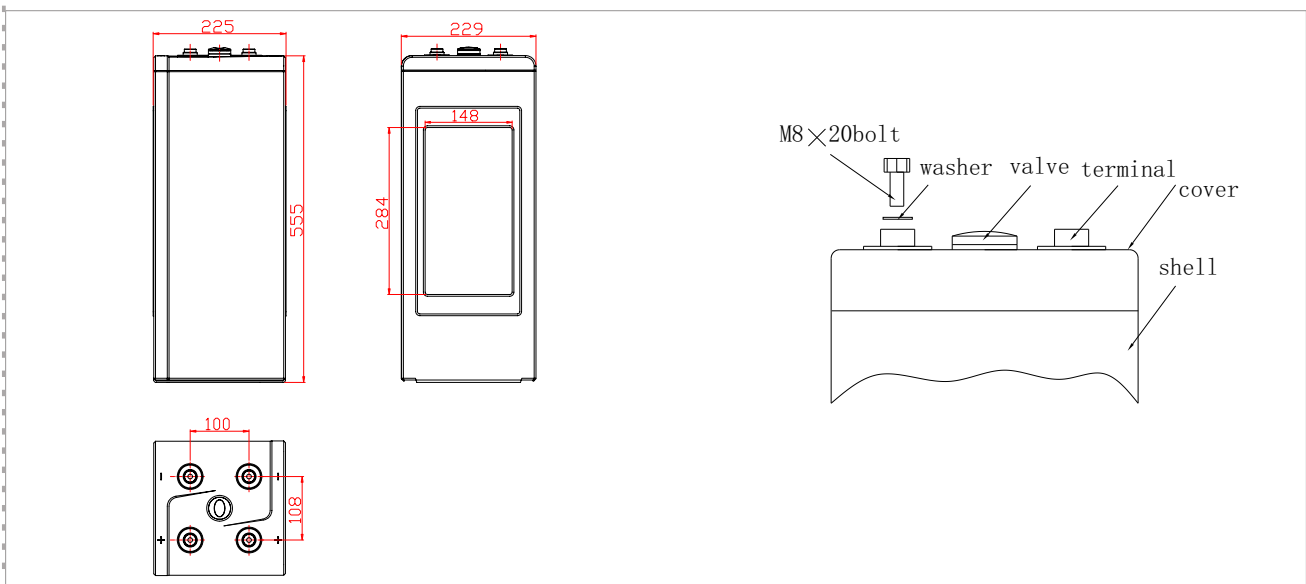
| Battery Model | EosG1200 | | | |
|----------------------------|---|-------|-----------------|--------------|
| Nominal Voltage | 2V | | | |
| Capacity (25°C) | 10HR(120A,1.80V) | | 3HR(300A,1.80V) | |
| | 1200AH | | 900AH | |
| Dimensions | Length | Width | Height | Total Height |
| | 225mm | 229mm | 555mm | 566mm |
| Approx. Weight | 76kg | | | |
| Internal Resistance | 0.17mΩ | | | |
| Max Charge Current Allowed | 300A | | | |
| 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 Characteristics Units: Amperes (25°C, 77°F)

| End voltage per cell | 5min | 15min | 30min | 1hr | 2hr | 3hr | 5hr | 6hr | 8hr | 10r | 24hr | 48hr | 100hr |
|----------------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|
| 1. 60V | 1744.3 | 1467.7 | 1192.7 | 786 | 484.5 | 355.7 | 232.5 | 200.8 | 157.2 | 128.9 | 59.7 | 31.9 | 17.9 |
| 1. 65V | 1635.7 | 1381.5 | 1087.7 | 741.8 | 470.7 | 346.1 | 229.7 | 198.4 | 155.8 | 128.2 | 58.9 | 31.6 | 17.6 |
| 1. 70V | 1537.2 | 1307.3 | 994.7 | 704.9 | 454.6 | 330.6 | 223.9 | 193.6 | 153.6 | 126.1 | 58.6 | 31.4 | 17.3 |
| 1. 75V | 1450.1 | 1230.5 | 917.2 | 660.8 | 437.8 | 323 | 220.1 | 190.7 | 151.5 | 125.1 | 58.1 | 31 | 16.9 |
| 1. 80V | 1370 | 1147.6 | 858.7 | 626.9 | 424.7 | 312.9 | 213.6 | 185.7 | 147.4 | 123.4 | 56.9 | 30.5 | 16.3 |
| 1. 85V | 1176.2 | 976.1 | 755 | 558.2 | 382.8 | 289.7 | 201.6 | 176.8 | 142.6 | 118.4 | 55.2 | 29 | 15.8 |
| 1. 90V | 963.3 | 770.7 | 627.4 | 458.8 | 320 | 257.5 | 182.5 | 159.5 | 128.6 | 107.9 | 51.6 | 27.1 | 14.6 |

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

| End voltage per cell | 5min | 15min | 30min | 1hr | 2hr | 3hr | 4hr | 5hr | 6hr | 8hr | 10hr | 24hr |
|----------------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 1. 60V | 3401.8 | 2849.1 | 2268.5 | 1615.4 | 1042.3 | 772.1 | 615.7 | 510 | 435.5 | 340.4 | 277.9 | 125.3 |
| 1. 65V | 3235.4 | 2734.1 | 2145.7 | 1492.7 | 956.2 | 724.6 | 584 | 492.1 | 421.7 | 327.8 | 271.3 | 122.9 |
| 1. 70V | 3110.6 | 2637.1 | 2092.2 | 1421.4 | 928.5 | 698.8 | 564.2 | 481.1 | 413.4 | 320.7 | 263.3 | 120.6 |
| 1. 75V | 3013.5 | 2538 | 2020.9 | 1366 | 895.6 | 673.1 | 552.3 | 469.2 | 403.9 | 308.8 | 259.3 | 119.4 |
| 1. 80V | 2930.3 | 2419.1 | 1949.6 | 1334.3 | 879 | 649.3 | 534.5 | 456.1 | 392 | 300.9 | 255.4 | 117.6 |
| 1. 85V | 2664.8 | 2203.2 | 1733.6 | 1213.5 | 807.7 | 614.9 | 513.9 | 434.7 | 371.2 | 291 | 245.5 | 112.8 |
| 1. 90V | 2351.8 | 1911.9 | 1462.2 | 1045.3 | 700.8 | 570.1 | 478.5 | 406.2 | 346.8 | 272.2 | 227.7 | 105.7 |



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