

BATTERIES

Electric Vehicle Batteries

High performance sealed non-spillable maintenance free valve regulated recombinant batteries. Deep cycles batteries designed to deliver maximum capacity within five cycles, ideal for use in electric vehicles

- Absorbent glass mat construction
- Completely maintenance free, no need to add water
- Spill and leak-proof, multi-position usage
- High deep-discharge capability
- Exceptional durability and deep cycle ability
- Ideal for repeat cycling
- Excellent for long discharges
- Low self-discharge, long storage life
- Vibration and shock-resistant
- Threaded insert or faston terminals as standard
- Flag, automotive, J type, J type adaptor terminals to order
- Total height does not allow for terminal bolt when screwed into battery terminals (Relevant for screw terminal batteries)

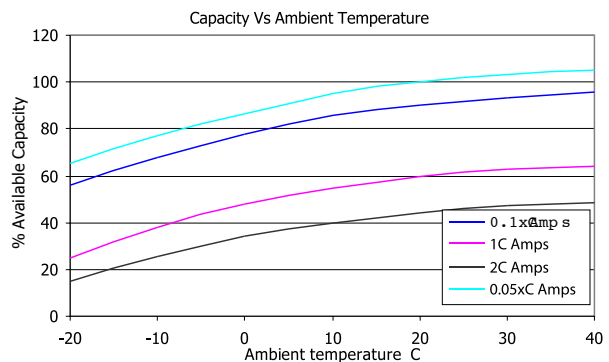
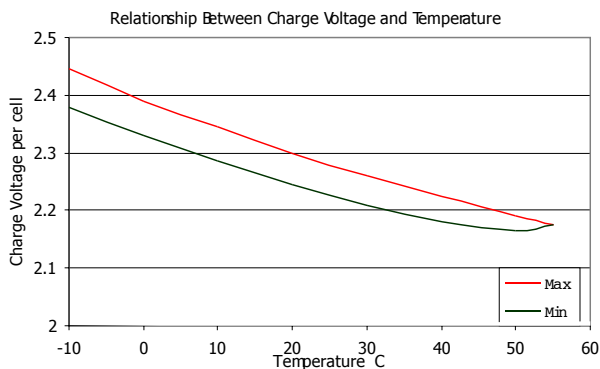
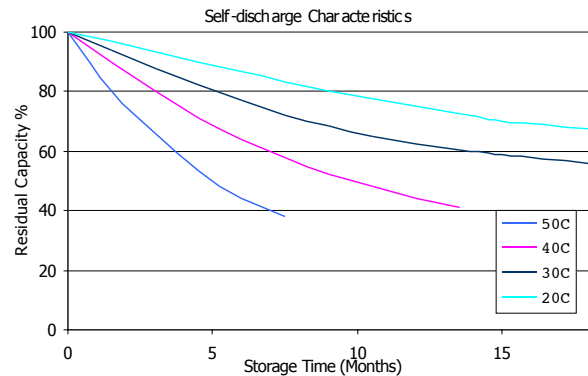
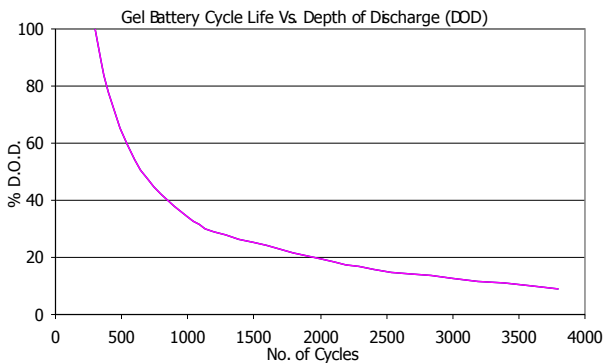


SPECIFICATION

| | | |
|-----------------------|----------------------------------|-----|
| Nominal Voltage | BEV061100-BEV062000 | 6V |
| | BEV120075-BEV123000 | 12V |
| Operating temperature | -10°C to 45°C | |
| Grid alloy | Calcium/Tin alloy | |
| Plates | Flat pasted | |
| Separator | Absorbent Glass Mat | |
| Case and cover | ABS (V0 on request) | |
| Charge Voltage | Float 2.27-2.30 VPC @ 20°C | |
| | Cycling 2.4 VPC @ 20°C | |
| | Max 2.4 VPC | |
| Electrolyte | Sulphuric acid | |
| Venting valve | EPDM Rubber | |
| | release pressure at 1.5 to 2 psi | |
| | resealing at 1 psi | |
| Terminals | Epoxy sealed | |
| Torque settings | 5-7Nm | |

Typical Applications:

- Electric Motorcycles
- Forklifts
- Golf carts
- Power tools
- Trolley motors
- Floor sweepers
- Mobility Scooters
- Wheelchairs
- Uninterruptible power supply



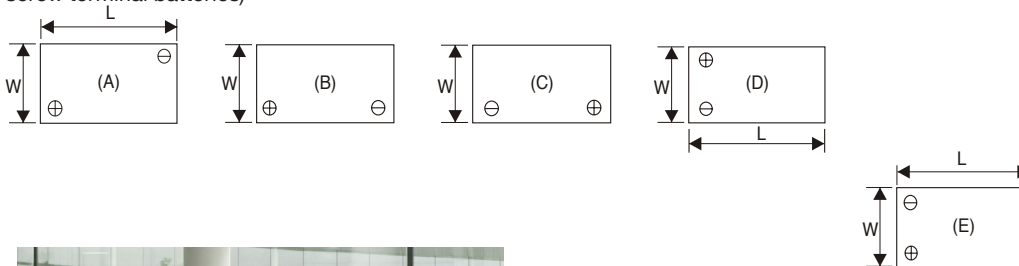
BATTERIES

| | NOMINAL VOLTAGE | NOMINAL CAPACITY | LENGTH | WIDTH | HEIGHT | WEIGHT | TERMINAL DETAILS | CHARGE CURRENT MAX | CCA AT 0°C | SHORT CIRCUIT | QTY PER BOX |
|------------|-----------------|------------------|---------|---------|--------|--------|------------------|--------------------|------------|---------------|-------------|
| BEV061600 | 6V | 180Ah | 306mm | 168mm | 220mm | 26.6kg | M8 | 50A | 1014A | 5000A | 1 |
| BEV120075 | 12V | 9Ah | 151mm | 65mm | 94mm | 2.8kg | D-F1 | 1.5A | - | 275A | 8 |
| BEV120120 | 12V | 12Ah | 151mm | 98mm | 95mm | 4.4kg | D-T2 | 4.8A | - | 600A | 4 |
| BEV120180 | 12V | 17Ah | 181mm | 77mm | 167mm | 5.9kg | M5 | 6.8A | 144A | 950A | 2 |
| BEV120260 | 12V | 24Ah | 166mm | 175mm | 125mm | 9.2kg | M5 | 9.6A | 228A | 1300A | 1 |
| BEV120330A | 12V | 33Ah | 195mm | 130mm | 155mm | 11kg | M6 | 9.9A | - | 850A | 1 |
| BEV120450 | 12V | 40Ah | 197.5mm | 165.5mm | 170mm | 14.7kg | M6 | 12A | 345A | 900A | 1 |
| BEV120550 | 12V | 55Ah | 228mm | 138mm | 208mm | 18.5kg | M6 | 14A | 466A | 1700A | 1 |
| BEV120650 | 12V | 77Ah | 272mm | 165mm | 188mm | 21.7kg | M8 | 20A | 602A | 2400A | 1 |
| BEV120700 | 12V | 75.6Ah | 350mm | 167mm | 179mm | 22.5kg | M6 | 24A | 557A | 1900A | 1 |
| BEV120800 | 12V | 82Ah | 260mm | 168mm | 211mm | 25.5kg | M8 | 22A | 664A | 2650A | 1 |
| BEV121000 | 12V | 90Ah | 306mm | 169mm | 210mm | 29kg | M8 | 25A | 751A | 2900A | 1 |
| BEV121100 | 12V | 100Ah | 330mm | 171mm | 214mm | 32kg | M8 | 27A | 804A | 3000A | 1 |
| BEV121200 | 12V | 120Ah | 410mm | 176mm | 224mm | 36.5kg | M8 | 30A | 951A | 4200A | 1 |
| BEV121500 | 12V | 150Ah | 482mm | 170mm | 240mm | 47kg | M8 | 40A | 965A | 4700A | 1 |
| BEV121600 | 12V | 164Ah | 530mm | 209mm | 214mm | 54.2kg | M8 | 50A | 985A | 5400A | 1 |

T1 = Faston Tab No.187 (4.8mm)

T2 = Faston Tab No.250 (6.3mm)

NB: Total height does not allow for terminal bolt when screwed into battery terminals (Relevant for screw terminal batteries)



Note:

These batteries should not be discharged lower than 10.5 volts (12 volt battery) and 5.2 volts (6 volt battery).

If batteries are discharged lower than these voltages permanent damage may be caused.

Batteries not in use should be regularly re charged to ensure they stay above the minimum discharged voltage.



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Ver 1.2



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