



B-Series

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UN38.3 / IEC / CE certificated, quality guaranteed
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4000+Cycles life @80%DOD
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Heating function optional
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Standard lead acid cases, can directly replace lead-acid batteries.  
Provide customized case, function, and Bluetooth APP
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Support in series or in parallel connection
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Bluetooth APP monitoring and upgrading

| Model                           | R-B12100A                                                       | R-B12200A                           | R-B12300A                          |
|---------------------------------|-----------------------------------------------------------------|-------------------------------------|------------------------------------|
| Nominal voltage                 | 12.8V                                                           | 12.8V                               | 12.8V                              |
| Nominal energy@0.2C             | 1280Wh                                                          | 2560Wh                              | 3840Wh                             |
| Nominal capacity@0.2C           | 100Ah                                                           | 200Ah                               | 300Ah                              |
| Internal resistance@1khz AC     | ≤30mΩ                                                           | ≤20mΩ                               | ≤20mΩ                              |
| Allowed MAX. charge current     | 100A   @25℃                                                     | 200A   @25℃                         | 200A   @25℃                        |
| Allowed MAX. discharge current  | 100A   @25℃                                                     | 200A   @25℃                         | 200A   @25℃                        |
| Recommend charge current        | 50A                                                             | 100A                                | 100A                               |
| Recommend discharge current     | 50A                                                             | 100A                                | 100A                               |
| Peak/Surge current limit        | 350A@3s                                                         | 500A@3s                             | 500A@3s                            |
| Short circuit protection        | 980A@400μs                                                      | 980A@400μs                          | 1200A@500μs                        |
| Charge voltage                  | 14.2V                                                           |                                     |                                    |
| Floating voltage                | 13.8V                                                           |                                     |                                    |
| End of discharge                | 11.2V                                                           |                                     |                                    |
| Communication                   | Bluetooth                                                       |                                     |                                    |
| IP rating                       | IP54                                                            |                                     |                                    |
| Cycle life                      | ≥4000 cycles, @25℃, @0.2C, @80%DOD                              |                                     |                                    |
| Weight                          | ≈11.0kg (24.2 lbs)                                              | ≈21.3kg (46.9 lbs)                  | ≈31.5kg (69.4 lbs)                 |
| Dimensions(W*H*D)               | 307*169*211mm (12.0*6.6*8.3 inch)                               | 483.5*170*241mm (19.0*6.6*9.4 inch) | 520*269*222mm (20.4*10.5*8.7 inch) |
| Parallel and series connection  | Support Max. 4 in series or Max.4 in parallel                   |                                     |                                    |
| Terminal and torque             | M8   8-12N·M                                                    |                                     |                                    |
| Operation altitude              | < 3000m                                                         |                                     |                                    |
| Operation temperature           | Charge -20~60℃ (-4°F ~ 140°F) , Discharge -20~60℃(-4°F ~ 140°F) |                                     |                                    |
| Self-discharge rate(shutdown)   | ≤3% Per month                                                   |                                     |                                    |
| Recommended storage temperature | -10℃ ~ 40℃ (14°F ~ 104°F)                                       |                                     |                                    |
| Recommended humidity            | 5 ~ 85%RH                                                       |                                     |                                    |
| Certifications                  | Pack: UN38.3, CE    Cell: UN38.3, IEC                           |                                     |                                    |