



### Low Temperature Cut-off Protection

| Cell Temp                                     | Outside Temp                                     | Outside Temp                                    |
|-----------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| $\leq 32^{\circ}\text{F} (0^{\circ}\text{C})$ | $\geq -22^{\circ}\text{F} (-30^{\circ}\text{C})$ | $\geq -4^{\circ}\text{F} (-20^{\circ}\text{C})$ |
| Protection On (No Charging)                   | Charging Enabled                                 | Discharging Enabled                             |

### Stronger and Safer BMS Protection

25+ Safety Features for Unmatched Battery Security

# 25+

### Grade-A Cells, Extended Lifespan

| Battery Type             | Cycle Life       |
|--------------------------|------------------|
| Renogy LiFePO4 Battery   | 5000+ cycle life |
| Standard LiFePO4 Battery | 2000+ cycle life |
| Lead Acid Battery        | 300+ cycle life  |

\*Data based on Renogy internal lab testing.

**NEW**



**NEW**



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| Model No.                   | RBT12100LFP-M                                                  |                     |                    |
|-----------------------------|----------------------------------------------------------------|---------------------|--------------------|
| Battery Type                | Lithium Iron Phosphate                                         |                     |                    |
| Nominal Voltage             | 12.8V                                                          |                     |                    |
| Rated Capacity              | 100Ah (0.5C, 25°C)                                             | 200Ah (0.5C, 25°C)  | 300Ah (0.5C, 25°C) |
| Cycle Life (0.5C, 25°C)     | 5000 Cycles (80% DOD, 80% EOL)                                 |                     |                    |
| Maximum Charge Current      | 100A                                                           | 100A                | 150A               |
| Maximum Discharge Current   | 100A                                                           | 200A                | 200A               |
| Peak Discharge Current      | 300A @10s                                                      | 380A@10s            | 380A@10s           |
| Protection Rating           | IP65                                                           |                     |                    |
| Charge Temperature Range    | -30°C to 55°C                                                  | 0°C to 55°C         | 0°C to 60°C        |
| Discharge Temperature Range | -20°C to 60°C                                                  | -20°C to 65°C       | -20°C to 65°C      |
| Storage Temperature Range   | -20°C to 45°C                                                  | -20°C to 60°C       | -20°C to 60°C      |
| Connection Method           | Series (Up to 4); Parallel (Up to 8); Series & Parallel (4P4S) |                     |                    |
| Housing Material            | ABS                                                            |                     |                    |
| Dimensions                  | 229 x 138 x 213 mm                                             | 383.9 x 193.8 x 253 | 384 x 194 x 253mm  |
| Weight                      | 9.7 kg                                                         | 19.25kg             | 25 kg              |
| Certification               | IEC62619, MSDS, UN38.3, FCC, CE, PSE, IC, RCM, RoHS and UKCA   |                     |                    |
| Warranty                    | 5 Year                                                         |                     |                    |