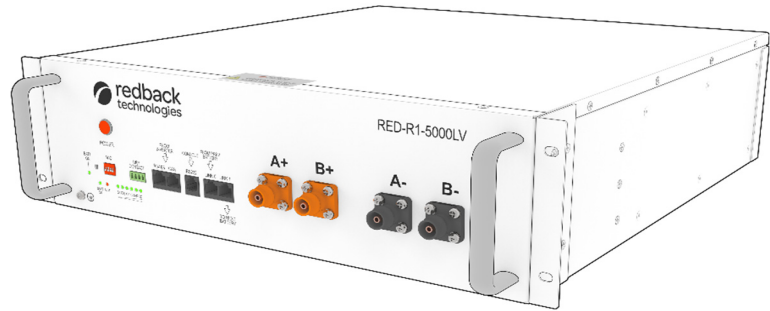




## Specifications

| PARAMETER                                 |                                                                         |
|-------------------------------------------|-------------------------------------------------------------------------|
| Model number                              | RED-R1-5000LV                                                           |
| Description                               | LiFePO <sub>4</sub> Lithium-ion Residential Battery                     |
| Nominal Voltage                           | 51.2 VDC                                                                |
| Minimum Voltage                           | 43.2 VDC                                                                |
| Maximum Voltage                           | 57.6 VDC                                                                |
| Nominal Capacity                          | 5120 Wh                                                                 |
| Usable Capacity                           | 4864 Wh                                                                 |
| Depth of discharge                        | 95%                                                                     |
| Dimensions HxWxD                          | 134 x 443 x 480mm                                                       |
| Weight                                    | 44±1 kg                                                                 |
| Recommended Charge/Discharge Current      | 50A <sup>1</sup>                                                        |
| Max. continuous Charge/Discharge Current  | 100A <sup>1</sup>                                                       |
| Rated DC power                            | 2560W                                                                   |
| Communications                            | RS485, CAN, RS232                                                       |
| ESD Monitoring                            | Monitoring is by the connected inverter, using RS485 and CAN protocols. |
| Configuration                             | 16S                                                                     |
| Working Temperature (Ambient) Charging    | -6°C ~ 50°C                                                             |
| Working Temperature (Ambient) Discharging | -18°C ~ 50°C                                                            |
| Storage Temperature                       | -20°C ~50°C                                                             |
| Short current/duration time               | 350A/0.3ms                                                              |
| Cooling type                              | Natural                                                                 |
| Protective class                          | I                                                                       |
| IP rating of enclosure                    | IP20                                                                    |
| Humidity                                  | 5% ~ 95%(RH) No Condensation                                            |
| Altitude                                  | <4000m                                                                  |
| Certification                             | CB, CE-LVD, CE-EMC                                                      |
| Warranty duration                         | 5 or 10 <sup>2</sup> years                                              |
| Warranted Min/max temperature             | -20°C ~50°C                                                             |
| Warranted throughput                      | 3.65MWh/kWh                                                             |
| Warranted usable capacity at 10 years     | 70 %                                                                    |
| Cycle Life                                | ≥6000 @25°C                                                             |
| Country of origin                         | China                                                                   |
| Reference standards                       | IEC62619, IEC62040-1, IEC61000-6-1, IEC61000-6-3                        |

<sup>1</sup> The charge and discharge currents are derated when the cell internal temperature is outside the nominated working temperature. The internal temperatures may be greater or lesser than ambient temperature.

<sup>2</sup> Additional internet connection conditions apply for achieve 10-year warranty. Please see the applicable Redback Product Warranty document.