

Energy Storage Li-ion Battery  
LB51100 Datasheet



| Item                               | Specification         |
|------------------------------------|-----------------------|
| Nominal Voltage                    | 51.2V                 |
| Voltage Range                      | 44.8-58.4V            |
| Nominal Capacity                   | 5.12KWh               |
| Cell type                          | LFP 3.2V/100Ah 3U     |
| Cycle Life(0.5C/0.5C,80% DOD,25°C) | 4000                  |
| Recommend Charge/Discharge Current | 50A                   |
| Maxmum Charge/Discharge Current    | 100A                  |
| Peak Charge/Discharge Current      | 150A@10sec            |
| Rated Charge/Discharge Power       | 5KW                   |
| Discharge Depth                    | 90%                   |
| Charging Temperature               | 0-60°C                |
| Discharge Temperature              | -20-60°C              |
| Communication Interface            | CAN/RS485/RS232       |
| Parallel Configuration             | Up to 8pcs            |
| Size ( W*H*D )                     | 440mm*135mm*620mm     |
| Weight                             | 46.2kg                |
| Installation                       | Rack mounting         |
| Design life                        | 10 Years(25°C)        |
| Storage Time (-20°C~35°C)          | 3 Months              |
| Operation Tempereture              | 0-40°C                |
| Storage Tempereture                | -20-35°C              |
| Guarantee Period                   | 5 Years · 4000 cycles |
| IP Protection                      | IP20                  |
| Cooling type                       | Natural Cooling       |