



**5.12 kWh / 10.24 kWh**

PowerLine-5 / 10 is an ultra-thin wall-mounted battery that can be installed directly on the wall through a simple installation method quick installation. Exquisite designed, compact size can fit into any small space in the home. We use industry-leading LiFePO4 technology to cycle more than 6000 times @ 90% DOD.



Modular and scalable



Max. 1C charge/  
discharge



6000 Cycle Life @90% DOD



10-year warranty &  
technical support



30 days delivery period



For on-grid and off-grid



UL standard battery  
pack



Compatible with  
multiple inverters



Safe and reliable LiFePO4

# Specification

51.2V 5.12kWh/10.24kWh Battery

| Item                                 |                       | General Parameter                                      |                     |
|--------------------------------------|-----------------------|--|---------------------|
| Model                                |                       | PowerLine-5  | PowerLine-10        |
| Nominal energy                       |                       | LiFePO4  | LiFePO4             |
| Nominal Voltage (V)                  |                       | 51.2   | 51.2                |
| Nominal Capacity (wh)                |                       | 5120   | 10240               |
| Usable Capacity (wh)                 |                       | 4608   | 9216                |
| Cell & Method                        |                       | 16S1P  | 16S2P               |
| Dimension(mm)(W*H*D)                 |                       | (700*540*90) ±1mm                                      | (980*700*100) ±2mm  |
| Weight(Kg)                           |                       | 48.3±2Kg   | 95±2Kg              |
| Discharge Voltage (V)                |                       | 47   |                     |
| Charge Voltage (V)                   |                       | 55   |                     |
| Charge                               | Rate. Current / Power | 50A / 2.56kW   | 100A / 5.12kW       |
|                                      | Max. Current / Power  | 80A / 4.096kW  | 160A / 8.192kW      |
|                                      | Peak Current / Power  | 110A / 5.632kW   | 210A / 10.752kW     |
| Discharging                          | Rate. Current / Power | 100A / 5.12kW  | 200A / 10.24kW      |
|                                      | Max. Current / Power  | 120A / 6.144kW, 1s                                     | 220A / 11.264kW, 1s |
|                                      | Peak Current / Power  | 150A / 7.68kW, 1s                                      | 250A / 12.80kW, 1s  |
| Communication                        |                       | RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional) |                     |
| Depth Of Discharge(%)                |                       | 90%  |                     |
| Expansion                            |                       | up to 63 units in parallel                             |                     |
| Working Temperature                  | Charge                | 0~55°C   |                     |
|                                      | Discharge             | -20~55°C   |                     |
| Storage Temperature                  |                       | 0~33°C   |                     |
| Short Circuit Current /Duration Time |                       | 350A, Delay time 500µs                                 |                     |
| Cooling Type                         |                       | Nature   |                     |
| Protection Level                     |                       | IP20   |                     |
| Monthly Self-discharge               |                       | ≤ 3%/month   |                     |
| Humidity                             |                       | ≤ 60% ROH  |                     |
| Altitude(m)                          |                       | < 4000   |                     |
| Warranty                             |                       | 10 Years   |                     |
| Design Life                          |                       | > 15 Years (25°C / 77°F)                               |                     |
| Cycle Life                           |                       | > 6000 cycles, 25°C                                    |                     |
| Certification & Safety Standard      |                       | UN38.3   |                     |

Note: Customized models and adjusted parameters are available upon request.



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