



## 48V LiFePO4 Wall Battery 2.5KWH/5KWH

- 15+ years long design life.
- Modular scalable capacity.
- Plug-and-play BMS integration.
- 98% efficiency / 5,000+ cycles.
- Wall/rack mount space-saving.
- 100% discharge capability.
- Eco-friendly recyclable materials.



## Product Specification

|                              |                                                                                                                             |                |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------|
| Model No.                    | YP4850-2.4KWH                                                                                                               | YP48100-4.8KWH |
| Voltage                      | 48V                                                                                                                         | 48V            |
| Combination                  | 15S1P                                                                                                                       | 15S2P          |
| Capacity                     | 50AH                                                                                                                        | 100AH          |
| Energy                       | 2.4KWH                                                                                                                      | 4.8KWH         |
| Weight                       | 28kg                                                                                                                        | 55kg           |
| Chemistry                    | Lithium Ferro Phosphate ( Lifepo4) Safest Lithium Ion, No fire risk                                                         |                |
| BMS                          | Built - in Battery Management System                                                                                        |                |
| Connectors                   | Waterproof connector                                                                                                        |                |
| Dimension                    | 485*295*180mm                                                                                                               | 510*480*180mm  |
| Cycles (80% DOD)             | 6000 cycles                                                                                                                 |                |
| Depth of discharge           | Upto 100%                                                                                                                   |                |
| Life time                    | 10 years                                                                                                                    |                |
| Standard charge              | 15A                                                                                                                         | 20A            |
| Standard discharge           | 15A                                                                                                                         | 20A            |
| Maximum continuous charge    | 50A                                                                                                                         | 100A           |
| Maximum continuous discharge | 50A                                                                                                                         | 100A           |
| Operation temperature        | Charge : 0-45°C, Discharge: -20~55°C                                                                                        |                |
| Storage Temperature          | Keep at -20 to 65°C                                                                                                         |                |
| Protection standard          | Ip21                                                                                                                        |                |
| Cut off voltage              | 54V                                                                                                                         |                |
| Max.charging voltage         | 40.5V                                                                                                                       |                |
| Memory effect                | None                                                                                                                        |                |
| Maintenance                  | Maintenance free                                                                                                            |                |
| Compatibility                | Compatible with all standard offgrid inverters and charge controllers.<br>Battery to inverter output sizing keep 2:1 ratio. |                |
| Warranty Period              | 5-10 Years                                                                                                                  |                |

Remarks  
Youth Power battery BMS must be wired in parallel only.  
Wiring in series will void the warranty.