# Powerwall 2.0 (ECO)

## 5.12Kwh-100Ah-51.2V (LiFePo4 Battery)






- Colorful LCD Screen
- Support up to 16pcs parallel
- Smart 100A BMS, Super safety design
- RS232, CAN, RS485 communication ports
- 5 years warranty
- 6000+ life cycle at 80% DOD
- 100A Max. Discharge Current
- Compact size and light weight

Experience the future of energy storage with our Lithium Iron Phosphate (LiFePO4) battery, engineered for maximum longevity and performance. This battery features a remarkable 6,000 charge cycles at 80% DOD and is equipped with a sophisticated 100Ah BMS for real-time monitoring and optimal safety. Designed for an extraordinary lifespan of up to 60 years, it ensures long-term reliability and efficiency. it perfect for both residential and commercial applications.






# WiFi & Bluetooth

## Real Time Monitoring Through APP

51.2V 100Ah LeFePO4

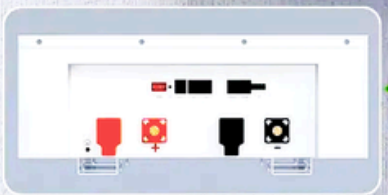
**Battery Dimensions**




**100A**
BMS

**5.12kW**
Max. Load Power

**5.12kWh**
Max. Energy



53kg (117 lbs)




5kWh

# Technical Data

| Model | | Powerwall 2.0 (ECO) 100Ah-51.2V-5.12Kwh |
|---|---|---|
| Electrical Characteristics | Nominal voltage | 51.2V |
| | Nominal capacity | 100Ah |
| | Energy | 5.12Kwh |
| | Cycle Life | 6000 cycle @80% DoD |
| | Months Self | ≤3.5% per month at 25℃ |
| | Battery Cell | 3.2V 100AH, Prismatic, LiFePo4 |
| | Cell compose method | 16S1P |
| **Charge & Discharge** | | |
| Charge Voltage | | 58.4 V |
| Discharge Cut-off Voltage | | 40 V |
| Standard Current | Charge | 20 A |
| | Discharge | 50 A |
| Max. Continuous Current | Charge | 30 A |
| | Discharge | 100 A |
| **General** | | |
| Temperature | Charge | 0 ~ 45°C（32 ~ 113°F） |
| | Discharge | -20 ~ 55°C（-4 ~ 131°F） |
| Storage temperature | | -10 ~ 45°C（14 ~ 113°F） |
| Initial Impedance | | <22mΩ |
| Battery Weight | | Approx. 53KG |
| Battery Dimension | | H615*W420*D145(mm) |
| Parallel | | Support up to 16pcs parallel |
| Housing | | Metal |
| Communication protocol | | RS232 / RS485 / CAN / Bluetooth / WIFI |
| LCD | | LCD screen |
| Cooling Method | | Natural Cooling |
| IP Rating | | IP52 |
| Support Inverter brands | | "Deye, Senergy, Sorotec, Voltronic". (any brand inverter if you need to support, please tell us, we can do this support for you) |
| Protection | | Over voltage protection (Cell & System), Low voltage protection (Cell & System), High temperature protection, Low temperature protection, Short cuicuit protection, Over current protection |
| Warranty | | 5 years |