



ECOSHIELD  
TO A BETTER FUTURE

16.07 kWh

# Solar Lithium Battery



## ◆ Features

- ◆ More convenient touch screen operation panel.
- ◆ Stylish and minimalist design.
- ◆ Just plug and play to minimize the installation time and cost.
- ◆ Adopt lithium iron phosphate battery cell, Long life and better safety.
- ◆ Compatible with most of the available Hybrid inverters.
- ◆ Modular design gives the end customers the power of choice of capacity.
- ◆ Multiple safety certifications: MSDS, UN38.3, CE.
- ◆ Built-in wifi and bluetooth functions for easy monitoring.

## ◆ Application Areas



Luxury Villa



Residential Electricity



Nomadic Farms



Communication Base Station



Wi-Fi Link



Bluetooth Link

## Battery Specifications

|                            |                                                                           |
|----------------------------|---------------------------------------------------------------------------|
| Model                      | CA-51V16H                                                                 |
| BatteryType                | LiFePO4                                                                   |
| Capacity                   | 314Ah                                                                     |
| Rated Voltage              | 51.2V                                                                     |
| Total Energy               | 16.07kWh                                                                  |
| Working Voltage Range      | 44~58.4V                                                                  |
| Max. Charge Current        | 200A                                                                      |
| Max.Discharge Current      | 200A                                                                      |
| Standard Charge Current    | 150A                                                                      |
| Standard Discharge Current | 150A                                                                      |
| Max.Parallel Quantity      | 15                                                                        |
| Design Lifespan            | 8000 Cycles<br>(Test Conditions:90%DOD, 0.2C Charge & Discharge at +25°C) |
| Operating Temperature      | Charge: 0°C~60°C<br>Discharge: -10°C-60°C                                 |
| Operation Humidity         | 5~95%                                                                     |
| Nominal Operation Aitude   | ≤3000m                                                                    |
| IP Protection              | IP20                                                                      |
| Installation Method        | Wheel Type                                                                |
| Communication              | RS232,RS485,CAN                                                           |
| Certification              | MSDS,UN38.3,CE                                                            |
| Net Weight                 | ≈126.5kg (±2%)                                                            |
| Production Dimension       | ≈880*280*525mm (±2%)                                                      |
| Warranty                   | 10 years, 5 years replace, and balance 5 years repair                     |

\* Specifications included in this datasheet are subject to change without notice. EcoShield reserves the right of final interpretation.



 [info@ecoshieldfi.com](mailto:info@ecoshieldfi.com)  
 **+964776 675 5041**  
 <https://www.ecoshieldfi.com>

### Office Address

Finland Office: Vanha, Helsingintie, 18 B00700 Helsinki, Finland, Helsinkiiranta, Finland  
 Iraq Office: EcoShield Building, Al Senaha St, Baghdad, Baghdad Governorate



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