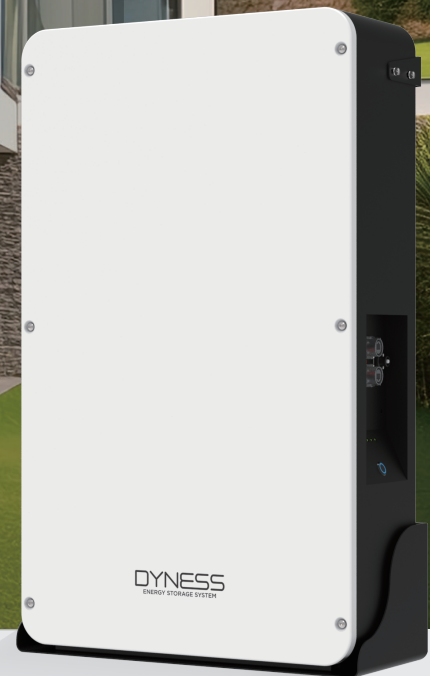


# Powerbox

LiFePO4 chemistry battery with safe performance and longer cycle life, offering you various capacities to meet more of your requirements.  
 TUV Certified • CEC Accredited • IP65 Protection • Flexible Expansion



**Tailor-made Cabinet**  
 Suitable for  
 multi-module installation



**Wide Temperature**  
 Range of -20~55°C



**Easy to Install**  
 Plug and play



**High Safety**  
 LFP & smart BMS



**Wide Compatibility**  
 Matching with leading inverters



**Expandable**  
 Capacity up to 48kWh

# Technical Specifications

| Model                                | Powerbox  |                |                |                 |
|--------------------------------------|---|----------------|----------------|-----------------|
| Battery Type                         | LiFePO4   |                |                |                 |
| System Model                         | Powerbox F-2.5  | Powerbox F-5.0 | Powerbox F-7.5 | Powerbox F-10.0 |
| Nominal Capacity                     | 50Ah  | 100Ah          | 100Ah          | 200Ah           |
| Nominal Battery Energy               | 2.4kWh  | 4.8kWh         | 7.2kWh         | 9.6kWh          |
| Usable Energy                        | 2.28kWh   | 4.56kWh        | 6.84kWh        | 9.12kWh         |
| Max Output Power                     | 2.4kW   | 4.8kW          | 4.8kW          | 4.8kW           |
| Net Weight                           | 47kg  | 69kg           | 69kg           | 113kg           |
| Nominal Voltage                      | 48V   |                |                |                 |
| Dimension[W*D*H]                     | 555*210*928mm   |                |                |                 |
| Working Voltage                      | 42-54V  |                |                |                 |
| Charging Temp. Range                 | 0~55°C  |                |                |                 |
| Discharging Temp. Range              | -20~55°C  |                |                |                 |
| Recommended Depth of Discharge (DOD) | 90%   |                |                |                 |
| Communication                        | CAN/RS485   |                |                |                 |
| Cycle Life <sup>[1]</sup>            | ≥6000 Cycles  |                |                |                 |
| Protection Level                     | IP65  |                |                |                 |
| Expansion                            | Up to 5 units in parallel   |                |                |                 |
| Color                                | White   |                |                |                 |
| Safe & Protection                    | Each system has smart BMS, breaker embedded in system                             |                |                |                 |
| Alarms                               | Overcharge/Over-discharge/Overcurrent/Overtemperature/Short Circuit               |                |                |                 |
| Pros                                 | Can be used in both off-grid and hybrid setups, compact design, modular expansion |                |                |                 |
| Certification & Safety Standard      | TUV/CE/EN62619/IEC62040/UN38.3/CEC Accredited/UL1973/CEI-021                      |                |                |                 |
| Compatible Inverters                 | Victron/SMA/Goodwe/Imeon/Solis/SAJ/Growatt/Luxpower/Voltronic/Deye etc.           |                |                |                 |

[1]Test conditions: 0.2C Charging/Discharging, @25°C, 90% DOD