

DL/BES-2000

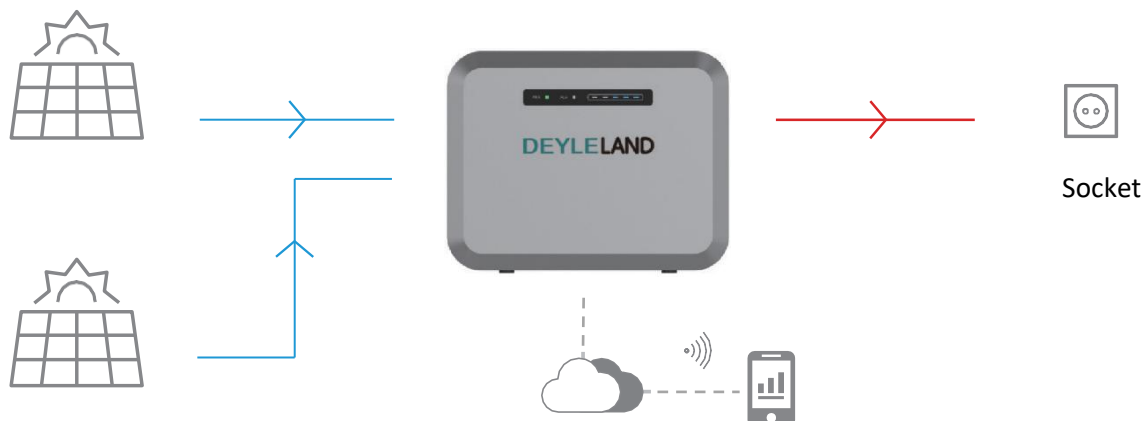
2.048 kWh All-in-one



INTRODUCTION

The new balcony energy storage system offers an all-in-one design for easy installation. Its smart app supports dynamic electricity pricing, real-time power calculation, and energy statistics, along with AI-generated strategies and reports for intelligent insights and optimization.

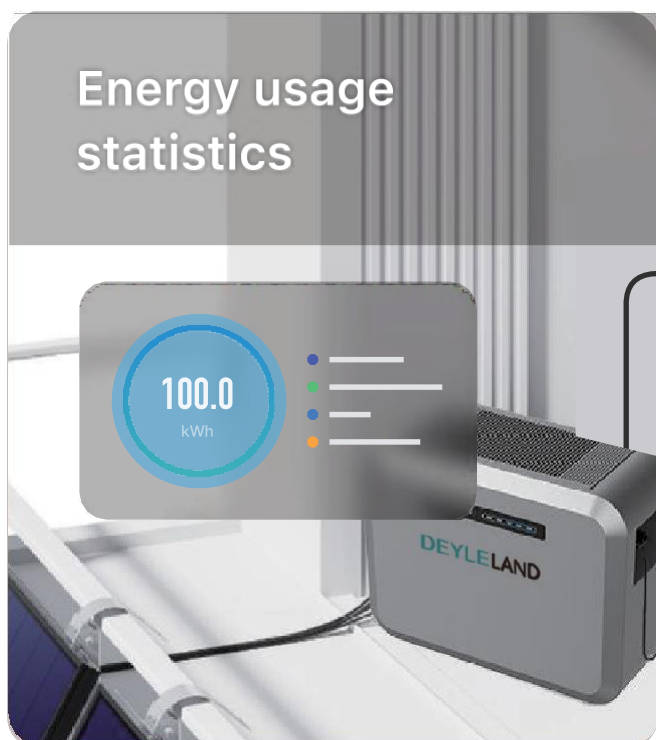
System Diagram



All-in-one Design



Energy usage statistics



Real-time monitoring



Specification

| Model | DL/SC800-B2000 |
|-------------------------------|--|
| Battery Data | |
| Capacity | 2048 Wh |
| Rated Voltage | 51.2 V (2P16S) |
| Life Cycle (Times) | > 6000 (25°C) |
| Battery Type | LiFePO4 |
| DOD | 90% |
| Input Data (PV) | |
| Input Power | 2*800 W |
| Input Voltage | 12 V ~ 60 V |
| Max. Input Current (Single) | 20 A |
| Number of MPPT | 2 |
| Output Data (AC) | |
| Rated Output Power | 800 W |
| Output Voltage | 220/230/240 VAC (Single-phase) |
| AC Frequency Range | 47.5 Hz - 51 Hz |
| Total Harmonic Distortion | Typ. < 3%, Max. < 5% |
| Power Factor (Adjustable) | > 0.99 default 0.9 leading...0.9 lagging |
| Efficiency | |
| Max. Output Efficiency | 96.5% |
| MPPT Efficiency | 99% |
| Environmental and Mechanical | |
| Communication | Wi-Fi & Bluetooth |
| Charging Temperature Range | 0°C to +50°C |
| Discharging Temperature Range | -20°C to +55°C |
| Enclosure Rating | IP65 |
| Cooling | Natural convection |
| Dimensions | 450 mm × 350 mm × 190 mm (W × H × D) |
| Weight | 27 kg |
| Regulatory | |
| Compliance | IEC62109-1, IEC61000-6-1/-3, IEC61000-3-2/-3, IEC62619, EN 50549-1/-10, NEN EN50549-1+BWBR0037940 Netcode, ETSI EN301489-1/17, OVE -directive R25:2020-3 TOR Erzeuger Type A, VDE 4105-2018, VDE 0124, NF50549-10, UN 38.3, EN 50549-1+C10/11:2021 |