# EnerCube

## Containerized Battery Energy Storage System

*Energy on Demand,*
*Powering a Bright Future.*

AC and DC coupling with the PV system

Design optimization cuts lead time by **1/2** (VS traditional BESS structure)

Certificates: IEC62619, IEC62477, IEC61000, EN50549–1, EN50549–2, G99, UN3536, AS4777.2, VDE4105, R25&TOR, C10/11, EIFS2018, etc.

### AC/DC Coulping

EMS is compatible with numerous mainstream PV inverter brands.

### Multiple Energy Access

Solar, diesel generator, wind turbine, etc.

### Modular O&M

Modular O&M without interference in the normal operation of other modules for cost savings and utilization optimizing.

### Response＜200ms

High–efficiency charging and discharging.

### Industrial Park Energy Storage

Capacity Expansion
Peak–load Shifting
TOU Tariff Arbitrage
Power Quality Management

### Solar + Storage + EV Charging Station

Store Extra Solar Energy
Peak–load Shifting
Tariff Savings
Power Expansion for More Chargers
Eco–friendly Solution

### Solar + Storage Microgrid

Backup Power
Store Extra Solar Energy
Distributed Energy Integration
Optimizing The Power Grid Upgrading

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## Containerized Battery Energy Storage System

| Parameters | P1000C2007 |
|---|---|
| **Battery Parameters** | |
| Cell type & capacity | $LiFePO_4$ – 280Ah |
| System configuration | 8*1P280S |
| System capacity (BOL) | 2007kWh |
| **AC Output Parameters** | |
| Rated output power | 1000kW |
| Rated voltage | AC400V, 3P4W+PE |
| Rated grid frequency | 50Hz±5Hz/60Hz±5Hz |
| Max. output current | 1443A |
| Harmonics | ＜3% (@rated power) |
| Overload capacity | 110%, continuous |
| **General Parameters** | |
| Protection level | IP54 |
| Anti-corrosion grade | C3 |
| Operating temperature* | -30℃～50℃ |
| Relative humidity | 0～95% (non-condensing) |
| Operating altitude** | ＜3000m |
| Noise emission | ≤75dB |
| Dimension (W*D*H) | 20HQ container (6058mm×2438mm×2896mm) |
| Max. weight | 27000kg |
| Fire fighting system | Novec1230 |
| Communication interface and protocol | Ethernet, Modbus TCP/IP |
| Warranty | 5-year product warranty \| 10-year performance guarantee |
| Certifications | System: UN3536, IEC61000, IEC62477, IEC62619, RoHS<br>Cell: IEC62619, UL1973, UL9540A, UL1642<br>PACK: UN38.3<br>PCS: G99, EN50549-1, EN50549-2, AS4777.2, VDE4105, VDE4110, R25&TOR, NC-RfG, NRS, C10/11, EIFS2018, etc. |

* The system will be derated when the ambient temperature exceeds 45℃.

**The system will be derated when the altitude exceeds 3000m.

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