

Obank

One-stop Energy Storage Cube

Diversified commercial energy storage system



More flexible

customize capacity combinations and feature options to achieve expansion from MWh to GWh



More convenient

friendly interactive interface, remote control and fast operation and maintenance



Broader

multi-scenario applications, providing diversified commercial energy storage solutions



Safer

advanced LFP battery, redundancy protection, and stable and long service life



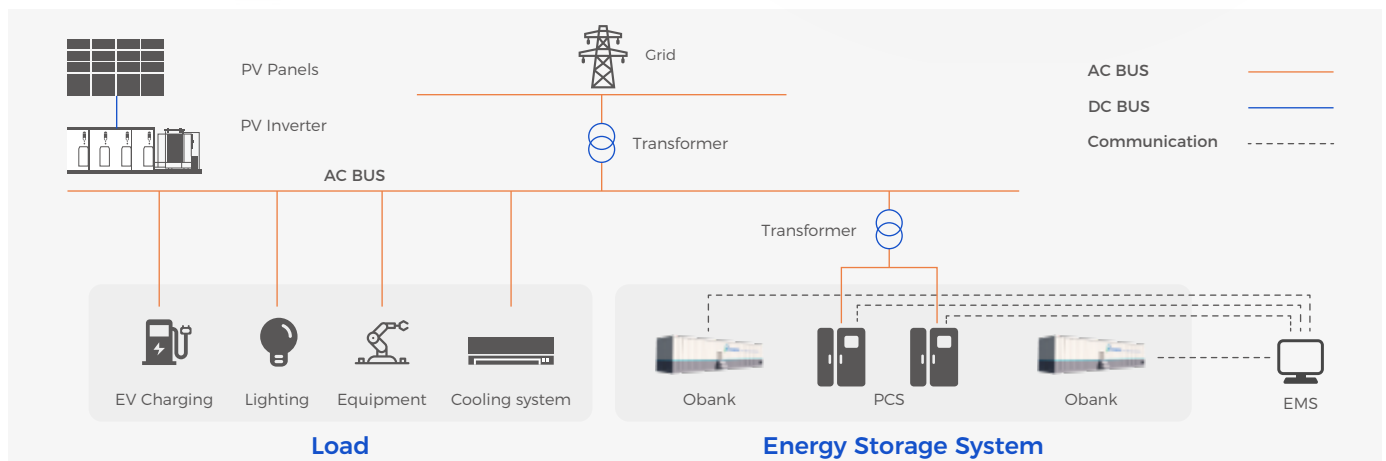
More efficient

high energy density design and advanced thermal simulation management system

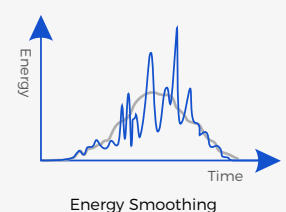
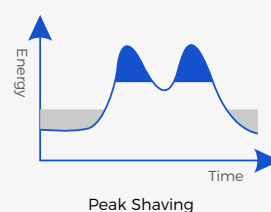
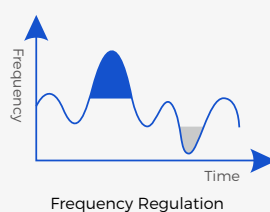


More intelligent

self-developed EMS + BMS dual-control integration and a number of unique technologies to achieve intelligent system



Application Scenario



Energy Storage System

| Product model | Obank-2500 | Obank-3700 | Obank-5000 | Obank-3500L | Obank-6700L |
|---|--|-------------------------|-------------------------|-------------------------|-------------------------|
| DC-side parameters | | | | | |
| Battery capacity | 220 Ah | 280 Ah | 280 Ah | 220 Ah | 280 Ah |
| System configuration | 10*1P360S | 20*1P208S | 14*1P400S | 12*1P416S | 18*1P416S |
| System rated energy | 2.5 MWh | 3.7 MWh | 5.0 MWh | 3.5 MWh | 6.7 MWh |
| System voltage range | 1008-1314 V | 582.4-759.2 V | 1120-1460 V | 1164.8-1497.6 V | 1164.8-1497.6 V |
| Charge and discharge rate | 1 C | 0.3 C | 0.5 C | 1 C | 0.5 C |
| AC-side parameters | | | | | |
| AC-side rated power | 2500 kVA | 1260 kVA | 2500 kVA | 3450kVA | 3450kVA |
| AC-side maximum power | 2750 kVA | 1386 kVA | 2750 kVA | 3795kVA | 3795kVA |
| AC current distortion rate | <3% (at rated power) | <3% (at rated power) | <3% (at rated power) | <3% (at rated power) | <3% (at rated power) |
| AC-side voltage | 400 V | 400 V | 550 V | 690 V | 690 V |
| Power grid rated frequency | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Power factor | >0.99 (at rated power) | >0.99 (at rated power) | >0.99 (at rated power) | >0.99 (at rated power) | >0.99 (at rated power) |
| System parameters | | | | | |
| Prefabricated energy storage cabin dimensions | 40 feet | 40 feet | 50 feet | 25 feet | 45 feet |
| Prefabricated energy storage cabin weight | Approximately 30 T | Approximately 37 T | Approximately 50 T | Approximately 40 T | Approximately 68 T |
| Ingress protection (IP) | IP54 | IP54 | IP54 | IP54 | IP54 |
| Operating temperature range | -20-50°C | -20-50°C | -20-50°C | -20-50°C | -20-50°C |
| Operating humidity range | 0-95% (no condensation) | 0-95% (no condensation) | 0-95% (no condensation) | 0-95% (no condensation) | 0-95% (no condensation) |
| Maximum working altitude | 2000 m | 2000 m | 2000 m | 2000 m | 2000 m |
| Thermal management methods | Air-cooling | Air-cooling | Air-cooling | Liquid-cooling | Liquid-cooling |
| Fire protection system | It contains heptafluoropropane standard configuration, fine water mist is optional | | | | |
| System communication interface | RS485, LAN, CAN | | | | |
| System communication protocol | Modbus, IEC104, etc. | | | | |

About OPESS

OPESS provides international energy storage products and system integration solutions oriented towards the energy needs of end-users such as industrial, commercial and residential customers. With its excellent independent innovation and research and development capabilities, OPESS offers users comprehensive and reliable services throughout the entire cycle, including digital energy analysis, standardized solution design, intelligent system integration, standardized product installation, and unified acceptance and operation and maintenance, to meet the multi-dimensional energy needs of industrial, commercial, and residential energy storage scenarios.



Empowering Smart Energy