

Optimize your power capacity



OptiGrid™ Stored Energy Solutions

Customizable capacity optimization systems tailored to your power and energy requirements.



Full turnkey solutions for systems of any size

Combining engineering, manufacturing and financial strengths to provide complete energy storage systems – from DC shelters to AC inverters – for under 50kW to Megawatt and over capacities.

■ Batteries

EnerSys® experts will match the chemistry to the application

■ Power Conditioning Systems

Configurable and scalable

■ BMS and Monitoring

Manage charging and discharging, monitor for safety

■ Shelter

Designed around safety, technology and application

■ Financing

Full turnkey solutions including financing for a complete project



50kW and under systems

- Features a Dynapower 50kW bi-directional inverter capable of managing both real and reactive power
- Connectable to multiple energy sources, including renewable energy, Battery Energy Storage System (BESS) or grid power
- Fast reaction time to a demand response signal from the utility, less than a sine wave
- 1% power accuracy
- Capable of integrating (3) DC sources and varying voltages to improve efficiency and reliability
- IEEE and UL1741 compliant

Megawatt and over systems

- Features a Dynapower bi-directional inverter capable of providing power for systems 250kW to 1.5MW and larger
- Disconnects “on command” into several strings for safety and maintenance
- Monitors key attributes at cell level
- DC ground fault monitoring/protection provides safety, security and reliability
- Designed in shelter safety features such as fire suppression, spill containment and gas detection
- Battery operation programmed to support the application

Any size system customizable in any combination of the following chemistries to match your application:

- Tubular technology
- Nickel zinc
- Nickel cadmium
- Lithium Ion
- Flat plate flooded
- Flat plate VRLA
(Valve Regulated Lead Acid)
- TPPL (Thin Plate Pure Lead)