

AEP STORAGE-SYSTEM

ENERGY OUT OF THE BOX



STORAGE ENERGY
EVERYWHERE & EVERYTIME



OUT OF THE BOX

STORAGE ENERGY EVERYWHERE & EVERYTIME

AEP offers a versatile and reliable solution for powering remote or temporary sites with its container storage systems. The systems are designed and manufactured to meet the most demanding power requirements and provide a safe and reliable power source.

Each container grid system consists of a battery bank, and distribution panels, housed within a durable shipping container. The compact design and mobility of the container make it easy to transport by truck or cargo ship to the desired location. The systems are also equipped with advanced safety features, such as surge protection and emergency shut-off, to ensure the safety of personnel and equipment.

Our container grid systems are ideal for a variety of applications, including disaster relief efforts, construction sites, off-grid communities, and more. The modular design allows for scalability and customization to meet the specific energy requirements of each application. The systems can be quickly and easily deployed, reducing downtime and ensuring a continuous supply of electrical power.



+ MOBIL

Highly transportable container solution that can be installed in remote locations.

+ OUT-OF-THE-BOX

Plug & Play system for on-grid and off-grid installations that requires no construction work.

+ HIGHLY SCALABLE

Modular solution with no technical or performance limitations, scalable to any capacity.

+ ROBUST

Weatherproof system that is always ready for use even in extreme climatic conditions.

+ ECONOMICAL

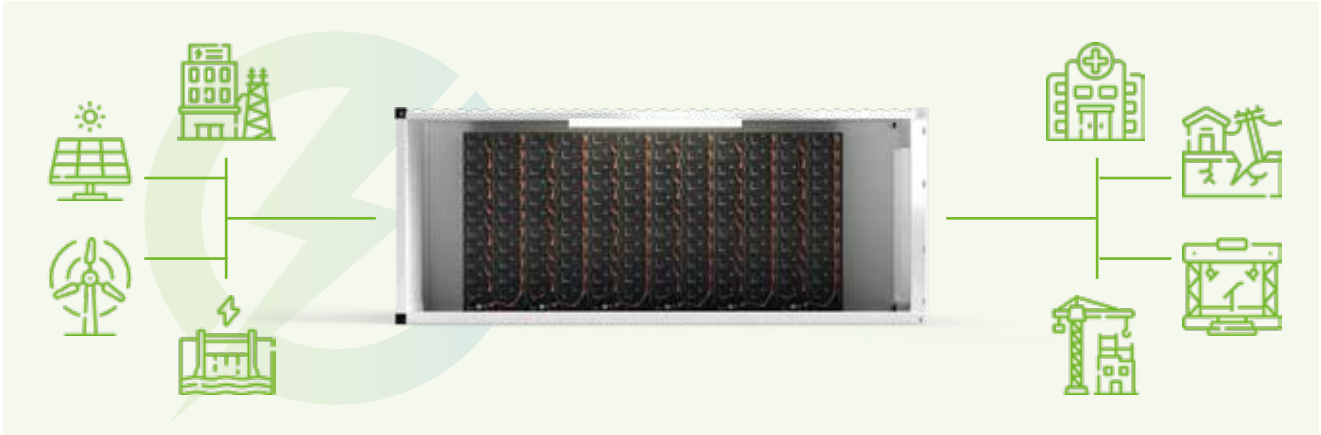
Ready for use at no additional cost and high-value retention due to modular/mobile design.

+ COMPATIBLE

The modular container storage system is compatible with almost all common systems.

APPLICATION AREAS

AEP container storage systems are versatile and flexible power solutions that can be used for a wide range of possible applications in a variety of locations.



DISASTER RELIEF EFFORTS

In the aftermath of a natural disaster, container grid systems can provide a quick and reliable source of electrical power to disaster-stricken areas. These systems can be rapidly deployed to provide emergency power for rescue and recovery operations.



CONSTRUCTION SITES

Construction sites often require temporary electrical power for lighting, tools, and equipment. Container grid systems provide a convenient and cost-effective solution, eliminating the need for long power cables and reducing the risk of electrical accidents.

REMOTE COMMUNITIES

Container grid systems are ideal for powering off-grid communities, where access to traditional electrical grids is limited or unavailable. These systems can provide a steady supply of electrical power to support essential services such as water treatment, telecommunications, and medical facilities.

MILITARY OPERATIONS

Container grid systems can support military operations in remote locations, providing electrical power for communications, and other critical equipment. The compact design and mobility of these systems make them well-suited for use in challenging environments.



SPECIAL EVENTS

Container grid systems can be used to power outdoor events, festivals, and concerts. These systems provide a safe and reliable source of electrical power, eliminating the need for long power cables and reducing the risk of electrical accidents.

ADVANTAGES



- Powerful storage system
- Mobile and flexible deployment
- Plug-and-play architecture
- Modular highly scalable
- Simple and fast operational readiness
- No site compaction and cable trenching
- Simplified building permits
- Use even in extreme weather conditions
- Corrosion-proof aluminium system
- Low weight for maximum mobility
- Statically tested module
- Compatible with almost all systems
- Ready for use at no additional cost
- High returns and stable value

TECHNICAL DATA

SYSTEM PERFORMANCE

Power output	180 - 2,600 kW
Output voltage	400 / 480 V, 3 phase
Output frequency	50 / 60 Hz
Ambient operating conditions	-20 °C to +50 °C (-4 °F to +122 °F);
Altitude before derate	1500 m (4920 ft)

PHYSICAL DATA

Enclosure	20 ft standard container, CSC certified
Dimensions (L/W/H)	6.058 / 2.438 / 2.896 m

CONTROL FUNCTIONALITIES

Grid-connected operation Frequency regulation, ramp rate control, remote dispatch, demand management, voltage control and power factor correction, curtailment capture, load shifting, full four-quadrant operation

Grid-forming operation Grid-forming operation is provided by U/f-mode



**COMPLETE MOBILE
POWER PLANT FOR
GREEN ENERGY**

By combining our photovoltaic modules, high-performance electricity storage, and H2 storage systems, AEP enables the simple construction of a mobile on- or off-grid complete power plant quickly.