



# 60 kWh data center energy storage

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EnSmart's Smart ESS 60/100 is an All-in-one compact ESS designed for small C& I loads. The system integrates Battery, BMS PCS, HVAC, fire extinguishing system and EMS systems. All components for battery storage, system operation and grid connection are pre-assembled for a plug and play use. It can meet the battery storage requirements up to 100kWh in one cabinet and can be parallelable for an expansion up to 1000kWh. Suitable for various applications such as peak shaving, frequency regulation, EV Charging, Solar + Storage, Micro-Grid and self Consumption Optimization.

All-in-one ESS for small sized commercial loads  
Pre-engineered fully integrated  
Plug and play  
IP54 Outdoor  
with fire suppression and HVAC system  
Wide Battery DC Voltage Range  
Modular design for easy expansion  
up to 10 units  
Maximum safety with Tier 1 lithium battery cells  
Long lifespan with over 10000 cycles and 15 years design life

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## Battery Energy Storage Systems

Cat(R) Compact ESS, is a mobile battery energy storage system that supplements traditional mobile power solutions to reduce noise, enable deployment of renewable energy sources, and, under certain conditions, allow customers to operate their generator more efficiently. Designed for rapid plug-and-play installation and integration, the Cat Compact ESS module can be used with any combination of diesel, natural gas or renewable energy sources such as solar or wind.

## Application Energy Storage

Operating Temperature 0°C to 50°C (32°F to 122°F)

Storage Temperature -10°C to 50°C (14°F to 122°F)

## Electric Power Ratings Guide

Application: Energy Storage System  
Module Type: Integral part of Power Grid Stabilization and Energy Time Shift modules  
Rated Power: 1000 kVA (1000kW 1PF)



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Application: Peak Shaving Module Type: Energy Time Shift Nameplate Power: 24 kW DC Output

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