

# American Energy Storage Innovations, Inc.

Presents

**TeraStor™**

Ultra-high density large-scale energy storage

- ✓ Easy to purchase
- ✓ Easy to install
- ✓ Easy to operate
- ✓ Easy to maintain

**7.2**  
MWh  
AC CP/4



**7.0**  
MWh  
AC CP/2

**300**  
MWh  
per Acre

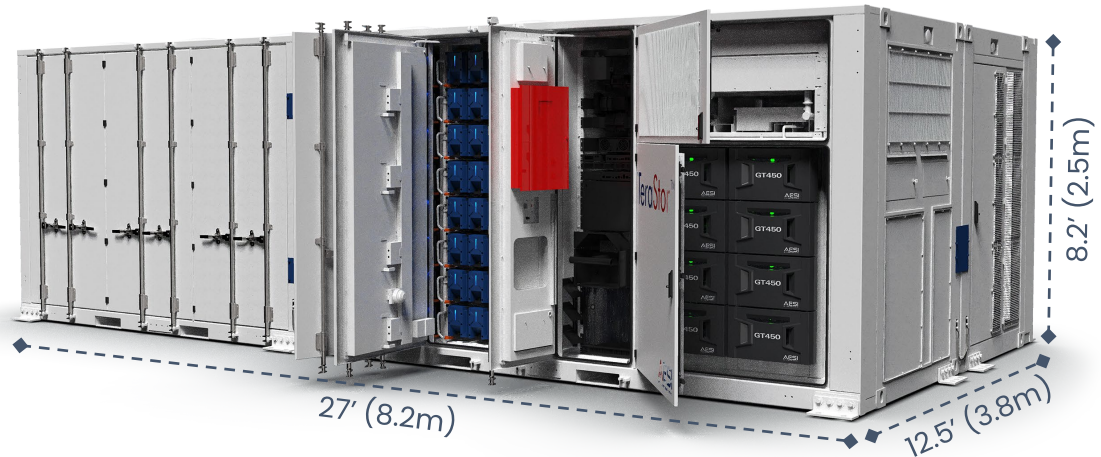
\* 600 MWh per  
acre if double  
stacked



**TeraStor™ 7200 Series**

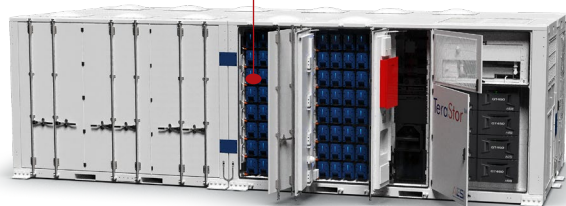
All-in-one, energy-dense TeraStor is factory-integrated and tested, arriving on-site and ready for commissioning in less than six hours. With an industry-low number of install connections, the self-powered, self-cooled, and self-managed unit significantly reduces on-site installation and O&M costs.

Under the hood, TeraStor's unique architecture significantly reduces the number of parts and potential points of failure compared to any other solution on the market.



2 Cabot Rd, Hudson, MA 01749, USA  
[www.aesi-ess.com](http://www.aesi-ess.com)

### 7200 Series



#### POWER / ENERGY

**Cells** 280 Ah x 18P

**Watt-hours per supercell** 16,364 Wh

**DC Voltage** 2.5–3.6V

#### MECHANICAL

**Dimensions (H x W x L) mm** 244 x 190 x 1610

**Certification & Testing** UL1973, UN38.3, UL9540A

**Density** 190 Wh/L

#### MANAGEMENT

**Battery Management** Redundant voltage/temp. sensing/balancing

**External Interface** Wireless uplink

**Thermal** Liquid cooled

**AC Energy \***  
CP/4 7.2 MWh  
CP/2 7.0 MWh

**AC Output Power** 0.45–3.6 MVA

**AC Output Voltage** 740 VAC 3ph

**Aux Power** Self-powered

**Dimensions (H x W x L) F** 8.2' x 12.5' x 27'

**Certification & Testing** UL9540, UL9540A

**IP Rating** IP66

**Heating & Cooling** Integrated, factory-installed

**Energy Management System** StorView integrated, VSP technology

**Applications, Operating Modes** Many available in StorView standard configuration

**External Interface** Fiber-optic ethernet

**Warranty** 5 yr incl. prev. maint. (up to 20 yr avail.)

\* Delivered Energy @POI depends on efficiency rating of equipment installed between TeraStor AC output and the POI.

### 7200 Series



#### POWER / ENERGY

**Cells** 280 Ah x 18P

**Watt-hours per supercell** 16,364 Wh

**DC Voltage** 2.5-3.4V

#### MECHANICAL

**Dimensions (H x W x L) mm** 244 x 190 x 1610

**Certification & Testing** UL1973, UN38.3, UL9540A

**Density** 188 Wh/L

#### MANAGEMENT

**Battery Management** Redundant voltage/temp. sensing/balancing

**External Interface** Wireless uplink

**Thermal** Liquid cooled

**AC Energy \***  
**CP/4** 7.0 MWh  
**CP/2** 6.8 MWh

**AC Output Power** 1.50-3.4 MVA

**AC Output Voltage** 690 VAC 3ph

**Aux Power** Self-powered

**Dimensions (H x W x L) F** 8.2' x 12.5' x 27'

**Certification & Testing** UL9540, UL9540A

**IP Rating** IP66

**Heating & Cooling** Integrated, factory-installed

**Energy Management System** StorView integrated, VSP technology

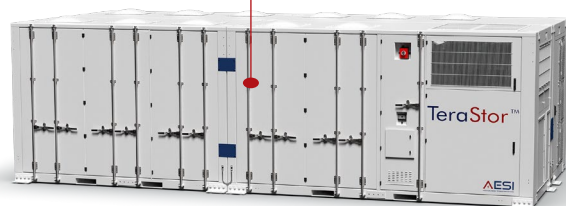
**Applications, Operating Modes** Many available in StorView standard configuration

**External Interface** Fiber-optic ethernet

**Warranty** 5 yr incl. prev. maint. (up to 20 yr avail.)

\* Delivered Energy @POI depends on efficiency rating of equipment installed between TeraStor AC output and the POI.

### 7200 Series



#### POWER / ENERGY

**Cells** 280 Ah x 18P

**Watt-hours per supercell** 16,364 Wh

**DC Voltage** 2.5–3.4V

#### MECHANICAL

**Dimensions (H x W x L) mm** 244 x 190 x 1610

**Certification & Testing** UL1973, UN38.3, UL9540A

**Density** 188 Wh/L

#### MANAGEMENT

**Battery Management** Redundant voltage/temp. sensing/balancing

**External Interface** Wireless uplink

**Thermal** Liquid cooled

**DC Energy \***  
**CP/4** 7.1 MWh  
**CP/2** 6.9 MWh

**DC Power**  
**CP/4** 1.825 MW  
**CP/2** 3.65 MW

**DC Output Voltage** 1,500V

**Aux Power** 690 VAC 3ph up to 15kW

**Dimensions (H x W x L) F** 8.2' x 12.5' x 27'

**Certification & Testing** UL9540, UL9540A

**IP Rating** IP66

**Heating & Cooling** Integrated, factory-installed

**Energy Management System** StorView integrated, VSP technology

**Applications, Operating Modes** Many available in StorView standard configuration

**External Interface** Fiber-optic ethernet

**Warranty** 5 yr incl. prev. maint. (up to 20 yr avail.)

- \* Delivered Energy @POI depends on efficiency rating of equipment installed between TeraStor AC output and the POI.
- \* Requires external auxiliary power source.

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- ✓ Easy to purchase
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- ✓ Easy to maintain

**7.9**  
MWh  
AC CP/4



**7.7**  
MWh  
AC CP/2

**330**  
MWh  
per Acre

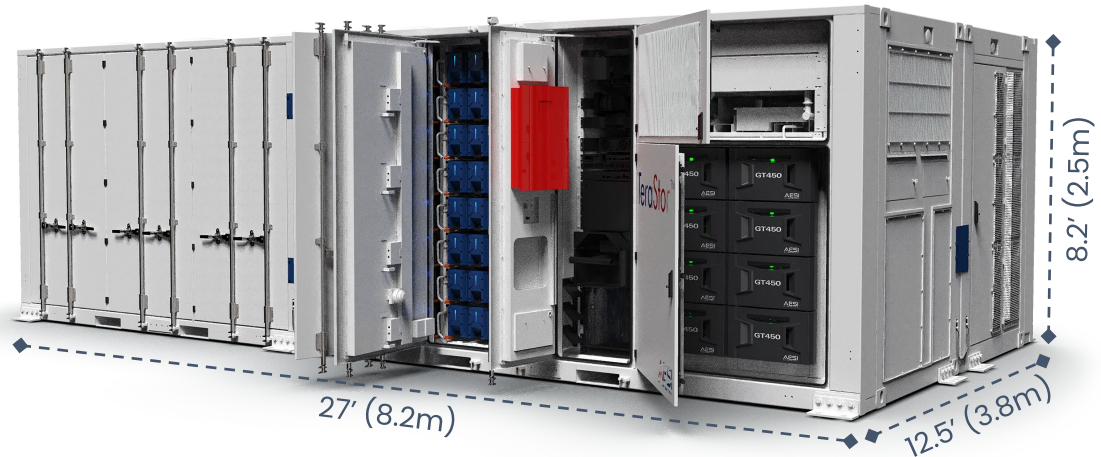
\* 660 MWh per  
acre if double  
stacked



**TeraStor™ 8000 Series**

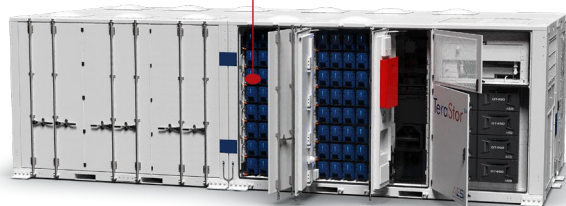
All-in-one, energy-dense TeraStor is factory-integrated and tested, arriving on-site and ready for commissioning in less than six hours. With an industry-low number of install connections, the self-powered, self-cooled, and self-managed unit significantly reduces on-site installation and O&M costs.

Under the hood, TeraStor's unique architecture significantly reduces the number of parts and potential points of failure compared to any other solution on the market.



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### 8000 Series



#### POWER / ENERGY

**Cells** 314 Ah x 18P

**Watt-hours per supercell** 17,950 Wh

**DC Voltage** 2.5–3.6V

#### MECHANICAL

**Dimensions (H x W x L) mm** 244 x 190 x 1610

**Certification & Testing** UL1973, UN38.3, UL9540A

**Density** 213 Wh/L

#### MANAGEMENT

**Battery Management** Redundant voltage/temp. sensing/balancing

**External Interface** Wireless uplink

**Thermal** Liquid cooled

**AC Energy \***  
CP/4 7.9 MWh  
CP/2 7.7 MWh

**AC Output Power** 0.45–3.6 MVA

**AC Output Voltage** 740 Vac 3 ph.

**Aux Power** Self-powered

**Dimensions (H x W x L) F** 8.2' x 12.5' x 27'

**Certification & Testing** UL9540, UL9540A

**IP Rating** IP66

**Heating & Cooling** Integrated, factory-installed

**Energy Management System** StorView integrated, VSP technology

**Applications, Operating Modes** Many available in StorView standard configuration

**External Interface** Fiber-optic ethernet

**Warranty** 5 yr incl. prev. maint. (up to 20 yr avail.)

\* Delivered Energy @POI depends on efficiency rating of equipment installed between TeraStor AC output and the POI.



### 8000 Series



#### POWER / ENERGY

**Cells** 314 Ah x 18P

**Watt-hours per supercell** 17,950 Wh

**DC Voltage** 2.5-3.4V

#### MECHANICAL

**Dimensions (H x W x L) mm** 244 x 190 x 1610

**Certification & Testing** UL1973, UN38.3, UL9540A

**Density** 211 Wh/L

#### MANAGEMENT

**Battery Management** Redundant voltage/temp. sensing/balancing

**External Interface** Wireless uplink

**Thermal** Liquid cooled

**DC Energy \***  
CP/4 7.9 MWh  
CP/2 7.7 MWh

**DC Power**  
CP/4 1.83 MW  
CP/2 3.65 MW

**DC Output Voltage** 1,500V

**Aux Power** 690 VAC 3ph up to 15kW

**Dimensions (H x W x L) F** 8.2' x 12.5' x 27'

**Certification & Testing** UL9540, UL9540A

**IP Rating** IP66

**Heating & Cooling** Integrated, factory-installed

**Energy Management System** StorView integrated, VSP technology

**Applications, Operating Modes** Many available in StorView standard configuration

**External Interface** Fiber-optic ethernet

**Warranty** 5 yr incl. prev. maint. (up to 20 yr avail.)

- \* Delivered Energy @POI depends on efficiency rating of equipment installed between TeraStor AC output and the POI.
- \* Requires external auxiliary power source.