

# 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

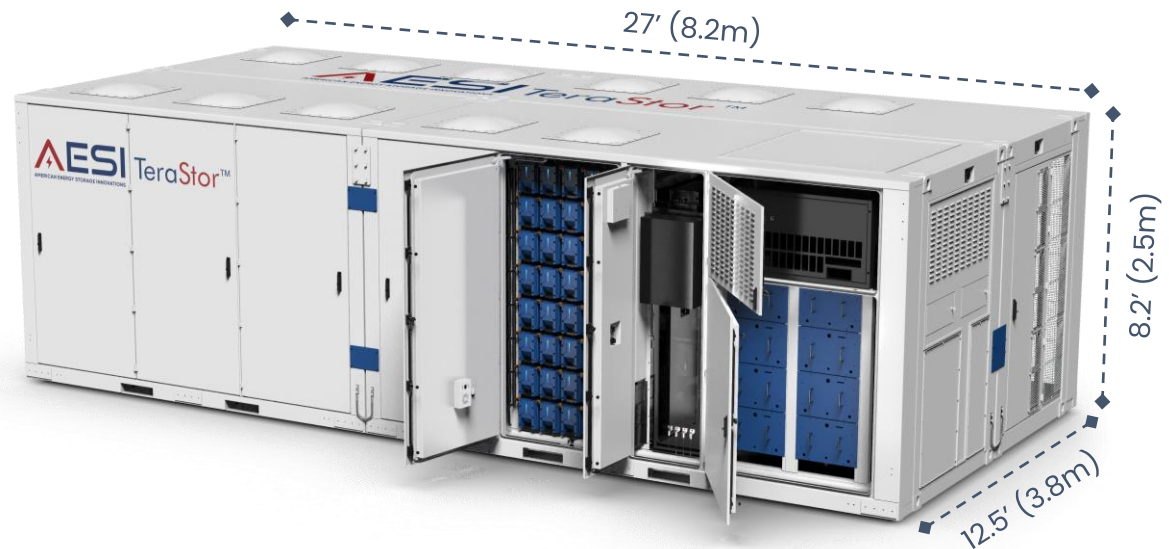
\* 600 MWh per  
acre if double  
stacked



## 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** 16,300 Wh

**DC Voltage** 2.5–3.6V

#### MECHANICAL

**Dimensions (H x W x L) mm** 266 x 225 x 1422

**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 3 ph.

**Aux Power** Self-powered

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

**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.



TeraStor™

# Specifications

1500Vdc

TeraStor with CAB 1000 external PCS

## 7200 Series



AESI  
supercell



### POWER / ENERGY

**Cells** 280 Ah x 18P

**Watt-hours per SuperCell** 16,150 Wh

**DC Voltage** 2.5-3.4V

### MECHANICAL

**Dimensions (H x W x L) mm** 266 x 225 x 1422

**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** 1.5-3.4 MVA

**AC Output Voltage** 690 Vac 3 ph.

**Aux Power** Self-powered

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

**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.



TeraStor™

# Specifications

1500Vdc

DC-only option for customers, no PCS

## 7200 Series



### POWER / ENERGY

**Cells** 280 Ah x 18P

**Watt-hours per SuperCell** 16,150 Wh

**DC Voltage** 2.5-3.4V

### MECHANICAL

**Dimensions (H x W x L) mm** 266 x 225 x 1422

**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 1.776 MW  
CP/2 3.4 MW

**AC Output Voltage** -----

**Aux Power** 690 Vac 3Ph, up to 15kW

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

**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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**TeraStor™**

Ultra-high density large-scale energy storage

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

**7.9**  
MWh  
AC CP/4



**7.7**  
MWh  
AC CP/2

**330**  
MWh  
per Acre

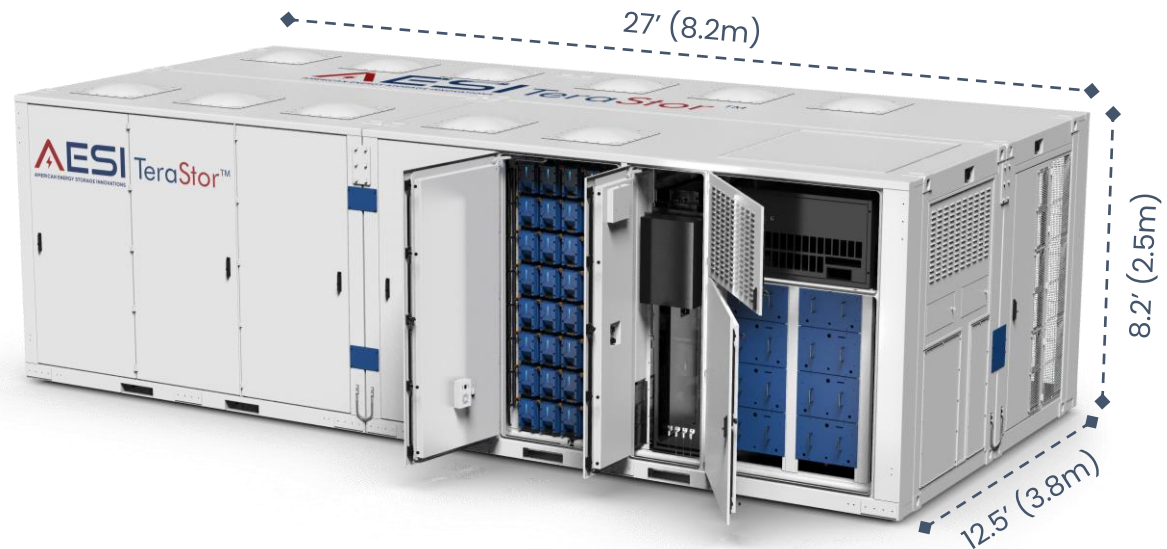
\* 660 MWh per  
acre if double  
stacked



**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** 18,100 Wh

**DC Voltage** 2.5–3.6V

#### MECHANICAL

**Dimensions (H x W x L) mm** 266 x 225 x 1422

**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** 27' x 12.5' x 8.2'

**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** 18,100 Wh

**DC Voltage** 2.5-3.4V

#### MECHANICAL

**Dimensions (H x W x L) mm** 266 x 225 x 1422

**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** 1.825 MW  
**CP/2** 3.65 MW

**AC Output Voltage** -----

**Aux Power** 690 Vac 3Ph, up to 15kW

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

**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.