

EAST[®] 易事特

始于1989年 | 股票代码:300376

Product Catalogues

易事特集团股份有限公司
EAST Group Co., Ltd

EAST 易事特 · Since 1989



Energy Storage System Solutions

4S Full-Stack Integration · Smart-Storage Synergy

Utility BESS · C&I Storage · Residential · PCS Converters · EMS · EV Charging

37+
Years

12GWh+
Deployed

Tier 1
BNEF

4S
Full-Stack



SECTION 01

Utility-Scale BESS

2.5MW – 6.25MW Container Systems · Grid-Forming · True Full-Stack

UTILITY ENERGY STORAGE

Utility BESS — Product Line Overview

All systems: IP54 container · IEC62619 · UL9540A · IEC61850

Model	Power	Energy (2h / 4h)	Cell	Cooling	Key Advantage
2.5 MW Centralized	2.5 MW	5 / 10 MWh	314Ah LFP	Liquid + Air	IP67 PACK · C5 · ≤16% LCOE ↓
5 MW Centralized	5 MW	10 / 20 MWh	314Ah LFP	Liquid + Air	8,000+ cycles · 30% faster deploy
6.7 MW Centralized	6.7 MW	13.4 / 26.8 MWh	314Ah LFP	Liquid + Air	True grid-forming · 300% overload 10s
6.25 MW Flagship	6.25 MW	12.5 / 25 MWh	587Ah LFP	Semi-immersion	10,000+ cycles · $\Delta T \leq 3^{\circ}\text{C}$ · +25% density
6.7 MWh Semi-immersed	1.25–6.9 MW	6.7 MWh	314Ah LFP	Semi-immersion	Zero standby · multi-rate 0.25–0.5C

99%

PCS Efficiency

-30 / +50°C

Operating Temp

C5

Anti-Corrosion

IP67

PACK Protection

4000 m

Max Altitude

UL9540A

+ IEC62619

UTILITY BESS · CENTRALIZED

2.5 MW / 5 MWh Centralized System

All-in-one container with integrated PCS & 35 kV transformer

2.5MW/5MWh Centralized
Energy Storage System



Applicable Scenarios

- New-energy storage allocation
- Grid frequency-modulation service
- Independent / merchant storage · C&I



Lowest LCOE in class

PACK 1P104S with 314Ah large cells reduces levelised cost by 16%+.



40% smaller footprint

Side-by-side & back-to-back layout saves project land vs separated designs.



IP67 PACK · C5 · IP54 cabinet

Survives harsh, coastal & corrosive sites where lower-tier kit fails.



99% max efficiency

Three-level topology delivers superior power quality (THD <3%).

Specification	2.5MW / 5MWh	2.5MW / 10MWh
Battery config	12P416S	12P416S ×2
Rated capacity	5,015.96 kWh	10,031.92 kWh
AC output / PCS	2,500 kW · AC690V	2 DC inputs
Transformer	2,750 kVA · 37±2×2.5/0.69 kV	Dy11
Cooling	Liquid (DC) + Smart Air (AC)	IP54 · C5

2.5 MW / 5 MWh Integrated AC & DC System

Modular PCS architecture — twelve independent power units in one 20-ft cabin

No Circulating Current

Modular PCS isolates every battery rack, eliminating cross-rack circulating current that wastes energy.

+6–8% Lifetime Discharge

Per-cluster control raises whole-life throughput 6–8% and cuts LCOE a further 3–5%.

+18% Energy Density

Integrated 20-ft cabin lifts density 18% and shrinks footprint 30% versus split AC/DC layouts.

–20% O&M Time

Hot-swappable power units mean faster, safer field service and higher availability.

2.5MW/5MWh Integrated AC and DC Energy Storage System



Parameter	2.5MW / 5MWh Integrated AC & DC
Rated / max AC power	2,500 kVA / 2,750 kVA
Cell	LFP 3.2V / 314Ah · 12P416S
Rated capacity	5,015.96 kWh
Isolation	Non-isolated · 12 power units
Cooling	Liquid · IP54 · C5
Fire protection	Gas detection + ventilation + PACK-level + water
Certification	UL9540A · IEC62619 · IEC63056 · UN38.3

UTILITY BESS · CENTRALIZED RANGE

5 MW & 6.7 MW Liquid-Cooled Systems

Scalable 2-hour and 4-hour blocks with integrated converter & boost unit

5 MW · 10 / 20 MWh

Spec	5MW/10MWh · 5MW/20MWh
Battery config	416S12P×2 · ×4
Rated capacity	10,031.9 / 20,063.8 kWh
AC power	5,000 kVA · AC690V
Transformer	5,500 kVA · 35kV/0.69kV
Protection	IP54 / C3 (C5 optional)



- 8,000+ cycle life · 314Ah PACK
- 30% shorter construction period
- IP67 PACK · -30 to 50°C · 4000 m

6.7 MW · 13.4 / 26.8 MWh

Spec	6.7MW/13.4MWh · /26.8MWh
Battery config	416S16P×2 · ×4
Rated capacity	13,375.9 / 26,751.8 kWh
AC power	6,688–6,900 kVA · AC690V
Grid-forming	True · 300% overload 10 s
DC interrupt	250 kA · millisecond level



- Three-level topology · 99% efficiency
- Wide 1000–1500 Vdc, no derating
- PQ/VF/SVG/VSG · HVRT/LVRT · black start

UTILITY BESS · FLAGSHIP

6.25 MW Semi-Immersion Grid-Forming Flagship

587 Ah large cell · 12.5 MWh (2h) / 25 MWh (4h) · highest density in the range



587Ah

Large Cell



10,000+

Cycle Life



$\Delta T \leq 3^{\circ}\text{C}$

Stack Spread



+25%

Energy Density



>99%

Conversion



300%

Overload 10 s

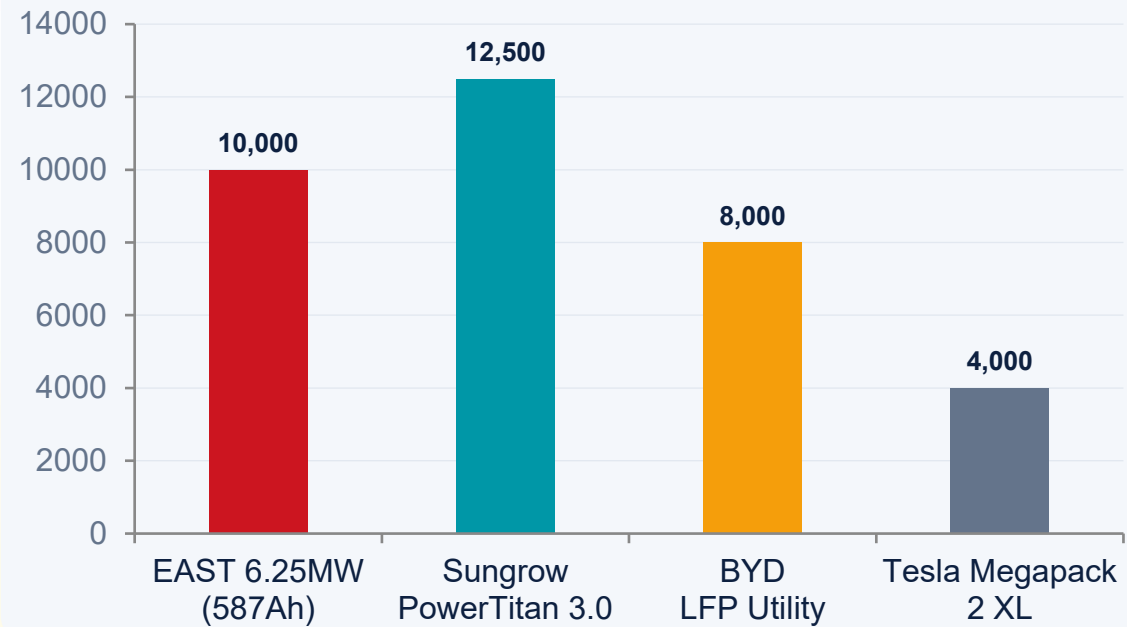


Semi-immersion liquid cooling — fluid bathes the cells, absorbing heat instantly and blocking thermal runaway at the source.

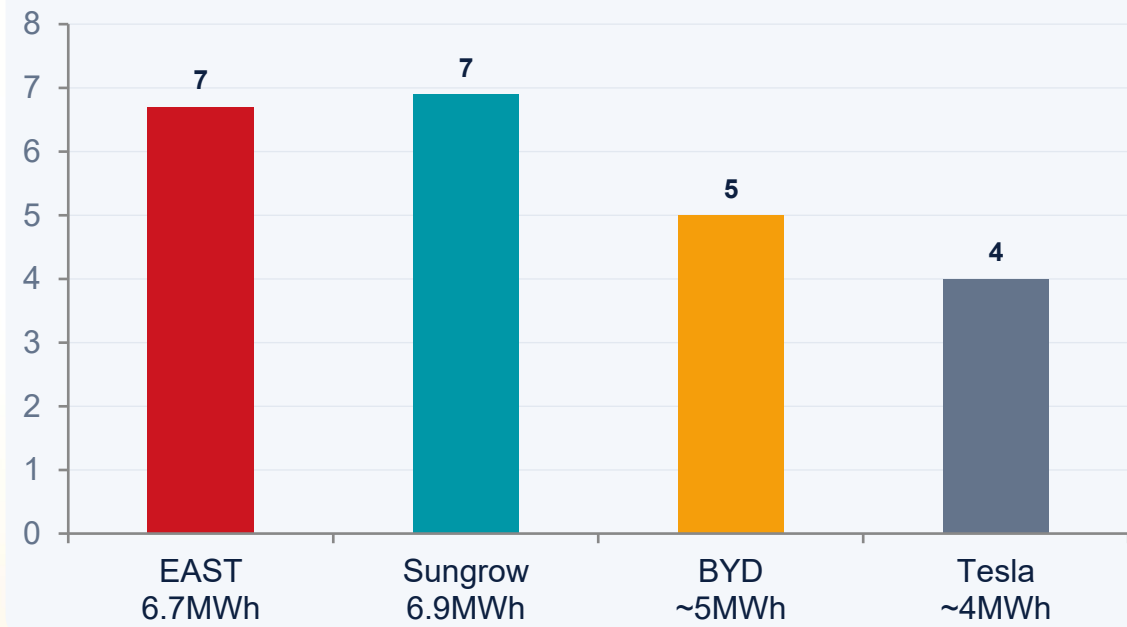
Specification	6.25MW/12.5MWh	/25MWh
Cell / config	3.2V/587Ah · 416S8P×2	×4
Rated capacity	12,502.6 kWh	25,005.2 kWh
AC power / transf.	6,900 kVA / 6,700 kVA	Dy11
Cooling	Semi-immersion (battery)	Liquid (converter)
Protection	IP54/C3 (IP55/C5 opt.)	4000 m

Utility BESS — Head-to-Head

Cycle Life Comparison



Energy Density per 20ft Container (MWh)



ONLY Brand with

**Sodium-Ion
BESS ready**

True Grid-Forming

**VSG + Black
Start + Island**

LCOE Reduction

**↓ 16%
vs standard packs**

Anti-Corrosion

**C5 as standard
(not optional)**

Overload

**300% for
10 seconds**

SECTION 02

Hybrid Container Solutions

Semi-solid 6.7MWh · Supercapacitor 5MW · Lowest LCOS · Zero thermal runaway

Why Hybrid Storage? Three Technologies, One System

Na⁺ fills resource & low-temp gaps · Semi-solid elevates energy & safety · Supercapacitor delivers power & life

01 Sodium-Ion Battery (Na⁺)

Abundant Resources

Sodium is 400× more plentiful than lithium in Earth's crust — no supply chain risk, no price volatility.

Cost Potential

Core raw material costs significantly lower than lithium. At scale, cell cost projected 20–30% below LFP.

Superior Low-Temp

Stable operation -40°C to +50°C, capacity retention >90% — outperforms lithium in cold climates.

02 Semi-Solid Battery

Higher Energy Density

20% more energy than conventional liquid lithium — more capacity in the same footprint.

Inherent Safety

Solid electrolyte is non-flammable and heat-resistant. Zero fire risk — ideal for large-scale grid storage.

Longer Cycle Life

Stable interface structure suppresses lithium dendrites — 10,000+ cycles, lower lifetime cost.

03 Supercapacitor

Ultra-High Power

Charges and discharges in seconds. Millisecond response — perfect for instant grid frequency events.

Zero Fire Risk

Pure physical double-layer storage — no redox reaction, no thermal runaway, zero combustion risk.

1 Million Cycles

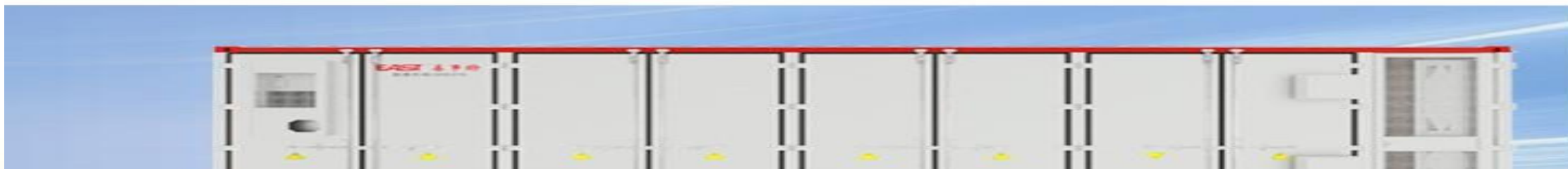
Virtually no degradation over 1,000,000 cycles — 15–20 year service life with minimal maintenance.

Na⁺ covers resource & cold-climate gaps · Semi-solid boosts energy & safety · Supercapacitor maximizes power & cycle life

3MWh / 3.34MWh Na⁺ Container System

1500V · Semi-immersion liquid cooling · IP54/C5 · IEC61850 · Industry leading — self-developed cells

1/1



Lower LCOS

- ✓ Single box 3MWh or 3.34MWh
- ✓ 160Ah / 176Ah self-developed cell
- ✓ Cold-resistant to -40°C extreme cold
- ✓ Parallel expandable layout
- ✓ IP54/C5 protection

Flexible Config

- ✓ Standardized, supports any PCS
- ✓ PACK IP67 protection
- ✓ Container IP54 / C5 anti-corrosion
- ✓ Side-by-side or back-to-back
- ✓ Adapts to any harsh environment

High Reliability

- ✓ Gas detection + explosion-proof vent
- ✓ 3-tier fire control strategy
- ✓ Fluoroketone suppression system
- ✓ "Zero-spread" fault isolation
- ✓ IEC 61850 / MODBUS-TCP / CAN2.0

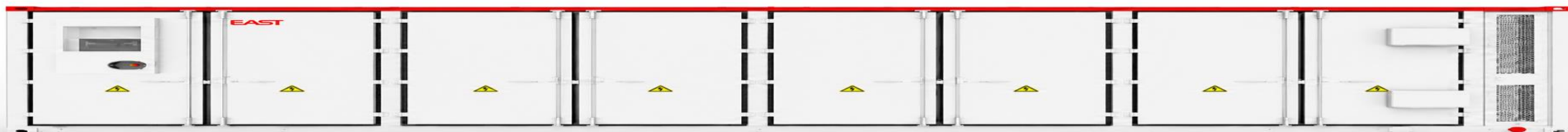
6,000+ Life

- ✓ System cycle life ≥6,000
- ✓ Multi-level energy balancing
- ✓ Semi-immersion temp variance ≤2°C
- ✓ -40°C to +60°C discharge range
- ✓ 4,000m altitude rated

5MW / 30s Supercapacitor Container — 1,000,000 Cycle Life

EAST® 易事特

Physical energy storage · Zero fire risk · Millisecond response · -40°C to +50°C · Eskom frequency regulation



Unmatched Lifetime

1M+

Cycles

Near-zero degradation across 1,000,000 cycles. 15–20 year life. No cell replacement costs — the lowest lifetime TCO of any storage technology available today.

Inherently Safe

0

Fire Risk

Pure physical double-layer capacitor. No electrochemical reaction, no thermal runaway. Inert materials (activated carbon + aluminum foil). Zero cobalt or nickel.

Instant Grid Support

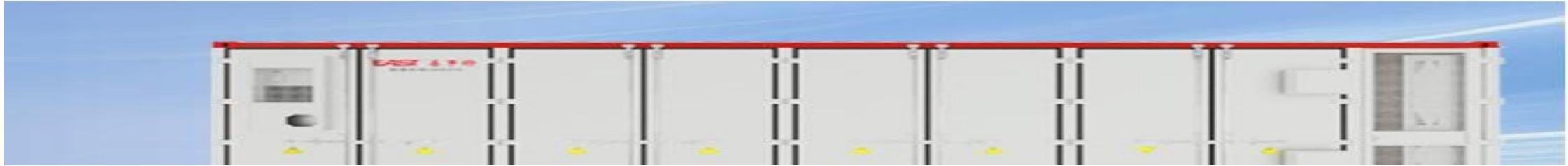
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Response

Handles grid frequency deviations lithium batteries physically cannot respond to in time. Perfect complement to Na⁺ or LFP BESS for Eskom frequency regulation projects.

6.7MWh Semi-Solid Container — Industry Leading

1500V · 314Ah semi-solid cell · Zero thermal runaway · 10,000+ cycle life · LCOS -16%+



LCOS -16%+

- ✓ Single box 6.7MWh
- ✓ 25%+ land area saving
- ✓ 314Ah semi-solid large PACK
- ✓ kWh cost -16%+ vs standard
- ✓ Parallel scalable to any size

Zero Thermal Runaway

- ✓ Semi-solid electrolyte — flame-resistant
- ✓ Eliminates fire risk at source
- ✓ Not just suppression — prevention
- ✓ 3-tier fire control system-wide
- ✓ "Zero-spread" fault isolation

10,000+ Cycles

- ✓ System cycle life >10,000
- ✓ 3× standard LFP cycle life
- ✓ Auto-refill liquid cooling
- ✓ Cell temp variance $\leq 3^{\circ}\text{C}$
- ✓ Multi-level energy balance

Flexible Config

- ✓ Supports any PCS configuration
- ✓ PACK IP67 / Container IP54
- ✓ C5 anti-corrosion coating
- ✓ Side-by-side or back-to-back
- ✓ IEC61850 / MODBUS / CAN2.0

SECTION 03

Power Conversion System (PCS)

Four product lines · 135kW to 3.45MW · Grid-forming capable · Up to 99% efficiency

PCS Products — 135kW & 215kW

Commercial/Industrial and string-system solutions

EAMPCS135K

135kW C&I PCS Module

IP65 / 98.8%



- ✓ DC: 650–950V | AC: 400V
- ✓ Efficiency: 98.8% | Three-level
- ✓ IP65 | Air-cooled | No derating @50°C
- ✓ Off-grid + 100% 3-phase unbalance
- ✓ Peak shaving | Multi-fault ride-through

EAPCS3450KHV

2.5MW–3.45MW Centralized Converter

IP65/C5 99%



- ✓ Rated: 3,450kW @45°C | Max DC: 3,873A
- ✓ DC: 1000–1500V | AC: 690V
- ✓ Efficiency: 99% | 3-level topology
- ✓ IP65/C5 | Intelligent air-cooled | No derating @45°C
- ✓ 2×1.725MW parallel → 3.45MW grid-forming system

PCS Products — 1.725MW & 3.45MW

EAST® 易事特

Grid-forming flagship and centralized utility-scale converters

EAPCS1725KHV

1.725MW Grid-Forming ★ FLAGSHIP

★ FLAGSHIP



1500V

Max DC

99%

Efficiency

300%

Overload 10s

250kA

DC Break

- ✓ DC: 1000–1500V | AC: 690V | Rated 1250V
- ✓ True Grid-Forming: VSG + Black Start + Island
- ✓ PSS + Virtual Circuit Algorithm
- ✓ IEC 61850 | PQ / VF / SVG / VSG modes
- ✓ Wide range 1C–5C | No derating full DC range

EAMPCS215KHV

215kW Liquid-Cooled String ESS

IP66 / ≥99%



- ✓ DC: 1000–1500V | AC: 690V
- ✓ Efficiency: ≥99% | Full liquid cooling
- ✓ IP66 | ≤120kg | Grid-forming (VSG)
- ✓ 12 units parallel = 2.5MW/5MWh system
- ✓ Black start + HVRT/LVRT + ISG support

PCS Technical Specifications

Full comparison across all four EAST PCS product lines

Specification	EAMPCS135K 135kW	EAMPCS215KHV 215kW	EAPCS1725KHV 1.725MW ★	EAPCS3450KHV 3.45MW
Rated Power	135kW	215kW	1,725kW	3,450kW @45°C
Max Power	—	—	—	3,795kVA @30°C
DC Voltage Range	650–950V	1000–1500V	1000–1500V	1000–1500V
AC Voltage	400V	690V	690V	690V
Peak Efficiency	98.8%	≥99%	99%	99%
Topology	3-Level	3-Level	3-Level	3-Level
Cooling	Air	Liquid	Air (Intelligent)	Air (Intelligent)
Protection	IP65	IP66	IP65/C5	IP65/C5
Grid-Forming	—	VSG (Basic)	★ Full VSG/Black Start	VSG (w/ 1.725MW units)
Overload	—	—	300% for 10s	300% for 10s
Operating Temp.	-30~+60°C	-35~+60°C	-35~+60°C	-35~+60°C
Communication	IEC61850	IEC61850	IEC61850	IEC61850
Key Application	C&I / BESS	String BESS	Grid-forming BESS	Utility-scale BESS

PCS — EAST vs Sungrow vs SMA vs ABB / Fimer



Attribute	EAST 1.725MW	Sungrow SG3455HV	SMA Sunny Central	ABB REACT4 / PVS980
Max Power	1.725MW (300% = 5.175MW)	3.455MW	4.0MW	~3.0MW
Efficiency	≥99% (3-level)	99%	98.7%	98.5%
Grid-Forming VSG	✓ True VSG	✓	X Grid-following	X Grid-following
Black Start	✓	X	X	X
Island Mode	✓	✓ (limited)	X	X
300% Overload 10s	✓	X	X	X
PSS+Virtual Circuit	✓ Novel algorithm	Standard VSG	N/A	N/A
250kA DC Break	✓	X	N/A	N/A
IP Rating	IP65/C5	IP65	IP54	IP55
Altitude	5000m no derating	5000m	3000m	2000m
DC Voltage Range	1000–1500V, no derating	1000–1500V	860–1500V	860–1500V
Human Interface	Bluetooth APP	LCD	LCD	LCD

★ EAST is the ONLY PCS with: True VSG + Black Start + Island + 300% overload + 250kA DC break + 5000m no derating — simultaneously

SECTION 04

C&I Energy Storage

125kW – 1MWh · All-in-One · Diesel-PV-ESS · Three-Level Fire Safety

COMMERCIAL & INDUSTRIAL

C&I Energy Storage — All-in-One Range

125–135 kW liquid-cooled cabinets · grid connection on landing, no debugging

C&I Energy Storage System EASS125K/261kWh-C

All in one



Application Scenarios

- Industrial parks & factories
- Shopping malls & public buildings
- PV-storage-charging stations
- Diesel-PV-ESS microgrids

+20% Energy Density

Fully liquid-cooled, fully front-maintenance, side-by-side install for minimal footprint.

$\Delta T < 3^{\circ}\text{C}$, +2 yrs life

Dual-loop cooling keeps cells even; >8,000 cycles @25°C extend system life.

Triple Safety

PACK & cabinet fire detection + perfluorohexanone + water suppression; battery IP67.

Off-grid Capable

100% three-phase unbalanced output and seamless backup for critical loads.

All-in-one: pre-integrated cabinet, no transformer design, system area reduced 40%.

C&I Models — From Storage-Only to Diesel-PV-ESS

Pick the architecture for the site; expand modularly up to 1 MWh

Model	EASS125K-261	EAESS135K-261/522	EAPVESS130K-261 (Diesel-PV-ESS)
Rated power	125 kW	135 kW	130 kW + 260 kW PV
Capacity	261 kWh	261 / 522 kWh	261 kWh ×4 clusters
Cell	LFP 314Ah · 1P260S	LFP 314Ah	LFP 314Ah
Efficiency	≥90% system	98.8% PCS	99% (98.2% Euro/MPPT, SiC)
Cooling	Liquid	Liquid · front service	Liquid + air
Cycles	≥8,000 @25°C	≥8,000 @25°C	≥8,000
Key feature	All-in-one, off-grid backup	100% unbalanced, station EMS	PV+Diesel+Grid hybrid, microgrid

SiC = 98.2% Efficiency

Large-scale SiC in the PV-ESS inverter lowers cost per kWh stored & converted.

True Hybrid Input

Combines PV + diesel generator + grid in one all-in-one — ideal for weak grids.

Three-level Fire Strategy

Power-off → perfluorohexanone gas
→ water spray prevents re-ignition.

C&I Storage — EAST vs Sungrow PowerStack vs Huawei LUNA2000 C&I



Attribute	EAST EASS135K / 261kWh	Sungrow PowerStack 255CS	Huawei LUNA2000 C&I	BYD Premium LVS C&I
Power Output	125–135kW	255kW module	125kW	100kW
Battery Capacity	261–522kWh flexible	255kWh module	107–215kWh	100–500kWh
Cycles	≥8,000	≥8,000	6,000	6,000
MPPT Efficiency	98.2% (SiC)	98.5%	98%	N/A
Off-Grid Support	✓ Full	✓	✓ (limited)	✓
Generator Input	✓ Diesel-PV-ESS	✗	✗	✗
3-Level Fire	✓ Cell+Gas+Water	✓ Gas only	Gas only	Gas only
IP Rating	PCS IP66 / Battery IP67	IP65	IP65	IP65
Anti-Corrosion	C5 standard	C4	C3	C3
Inverter Lock-in	✗ Open platform	Sungrow only	Huawei only	BYD only
Diesel/PV/Grid Combo	✓ Full triple input	✗	✗	✗
Expandability	Up to 1044kWh (4 clusters)	Module parallel	Module stack	Module stack

Green = EAST advantage Red = competitor weakness

SECTION 05

Residential Storage

3–20kW Hybrid Inverters · IP66 · Generator + PV + Grid + EV

RESIDENTIAL STORAGE

Residential Hybrid Inverters — Full Range

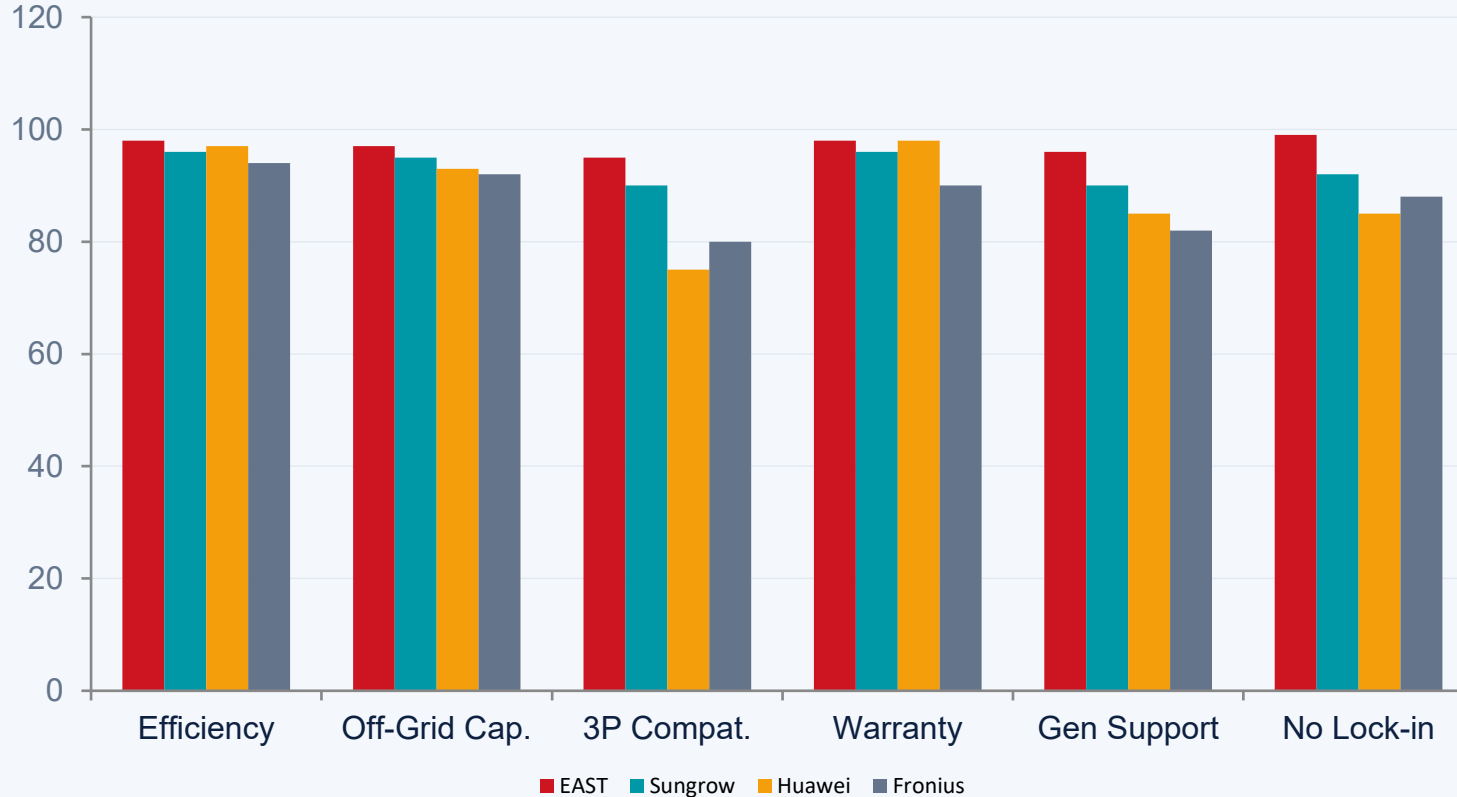
NRS097-2-1 · IP66 · off-grid · generator support · up to 6 units parallel

Model	Phase	PV Input	AC Output	Battery	Max Eff.	Unique Feature
EAHI-6000-SL-S	1-ph	8 kW / 550Vdc	6 kW	5.12–30.72 kWh (105Ah)	97.8%	All-in-one · IP66 · NRS097-2-1
EAHI6KSL-S	1-ph	8 kW / 550Vdc	6 kW	10–40 kWh (314Ah cell)	97.8%	Built-in DCDC optimizer · IP66
EAHI-3000~6000-SL	1-ph	4.68–7.8 kW	3–6 kW	Li-ion or Lead-acid	97.8%	IP66 all-aluminum chassis
EAHI10-20KTH-S	3-ph	30 kW / 1000Vdc	10–20 kW	5–60 kWh / cluster	98.2%	6 units parallel · smart cooling
EAHI10-12KSL	1-ph	18 kW / 550Vdc	10–12 kW	Li-ion / Lead-acid	97.8%	RSD + AFCI option · NRS097
EAHI10-20KTH	3-ph	20–30 kW / 1000Vdc	10–20 kW	150–600 Vdc	98.2%	PV+Gen+microgrid input

Common to all: high-frequency battery isolation · DC Type II / AC Type III surge · CEI 0-21 · VDE-AR-N 4105 · G99 · AS4777 · IEC/EN 62109

Residential Inverter vs Competitors

Feature Score vs Competitors (0–100)



Criteria: Efficiency | Off-Grid | 3rd-Party Compat | Warranty | Gen Support | Inverter-free Battery

Multi-Inverter Compatible

Works with 3rd-party inverters unlike Huawei (locked eco-system)

NRS097 + SANS Certified

South Africa, Australia grid standards — competitor coverage varies

Generator Input

Full Diesel-PV-ESS integration; Huawei & SolarEdge lack gen input

SiC-Based PCS

98.2% MPPT efficiency — matches or exceeds Sungrow SiC platform

IP66 All-Aluminum

Better coastal/harsh env. protection vs Huawei IP65 plastic chassis

Off-Grid Inverters & Stackable Battery Cabinets

GF series single-phase inverters with modular plug-and-play battery towers



Stackable · plug & play · auto-recognition · IP66

Off-Grid Inverter	GF3K (3 kVA)	GF5K (5 kVA)
Battery voltage	24 VDC	48 VDC
Parallel	No	Yes · 6 units max
Peak efficiency	93%	93%
PV / AC charge	MPPT · 100A max	MPPT · 100A max
Battery type	Lead-acid / lithium	Lead-acid / lithium

Flexible Battery Towers

5.12 kWh modules stack to 30 kWh; 48V & 750V cabinets, IP66, built-in fire module.

Cluster Expansion

Single cluster 5–20 kWh; up to 3 clusters = 60 kWh per inverter, app-monitored.

RESIDENTIAL · OFF-GRID & STORAGE

48V Low Voltage Battery Cabinet — IP66 Stacked 5.12kWh

Lithium-ion Battery Module EHBS-P30-SL + Battery Distribution Unit PDU-SL



S Stacking design for easy installation

IP IP66 system protection rating

P Module plug-and-play, auto recognition

E Flexible expansion of battery capacity

Lithium-ion Battery Module	EHBS-P30-SL
Battery Type	LiFePO4
Module Capacity	5.12 kWh
System Capacity	5-30 kWh, expandable
Battery Cluster Number	6
Max. Cluster Number	2
Rated Voltage	48 VDC
Voltage Range	41.6-67.6 VDC
Max. Charge/Discharge	50A / 75A
Communication	RS485 / CAN
Dimensions (W×D×H)	600×380×230 mm
Net Weight / Module	52 kg
IP Rating	IP66
Operating Temperature	-25°C ~ 60°C
Cooling / Heating	Natural / PTC
Safety / EMC	IEC 61000 · IEC 62619:2022

Battery Distribution Unit	PDU-SL
Max Current	250 A
Voltage Range	41.6-67.6 VDC
Display Method	LED
Dimensions (W×D×H)	600×380×240 mm
Net Weight	11 kg
IP Rating	IP66

RESIDENTIAL · OFF-GRID & STORAGE

10/15/20kW Three-Phase Commercial Energy Solution

All-in-one · EAH10KTH-S / EAH15KTH-S / EAH20KTH-S

- Li** LiFePO4 battery, IP66 outdoor, built-in fire protection
- E** Single cluster 5-20kWh; up to 3 clusters = 60kWh expansion
- M** Battery modular design, stacking plug-in installation
- A** App real-time monitoring, remote OTA upgrade

Specification	10kW	15kW	20kW
Max Input Power	20 kW	30 kW	30 kW
Input Voltage Range	160-1000 VDC	160-1000 VDC	160-1000 VDC
MPPT Voltage Range	160-950 Vdc	625-800V	Full power
Battery Type	Lithium	Lithium	Lithium
Battery Voltage Range	650-980 VDC	650-980 VDC	650-980 VDC
Max Charge/Discharge	16.4/15.4A	23.1/23.1A	30.8/30.8A
Rated Output Power	10 kVA/kW	15 kVA/kW	22 kVA/20kW
Rated Output Voltage	380/400VAC	380/400VAC	380/400VAC
Generator Max Power	10 kW	15 kW	20 kW
Max Efficiency	98.2%	98.2%	98.2%
MPPT Efficiency	99.9%	99.9%	99.9%
Battery Capacity	5.12 kWh	10.24 kWh	15.36-20.48kWh
Battery Cluster No.	3	3	3
Parallel Operation	6 units	6 units	6 units
Surge Protection	DC Type II / AC Type III	DC Type II / AC Type III	DC Type II / AC Type III
IP Rating	IP66	IP66	IP66
Operating Temperature	-25°C ~ 60°C	-25°C ~ 60°C	-25°C ~ 60°C
Cooling Mode	Natural	Smart	Smart

Standards: NC RFG+PTPIREE · VDE 0126 · EN50549-1/10 · VDE-AR-N 4105:2018 · IEC 62109/62040/62477/62619 · EN 61000

RESIDENTIAL · OFF-GRID & STORAGE

XT1500 Lite — Flexible Power Supply, Efficient Endurance

Portable energy storage for outdoor adventures and home backup



B Battery Capacity

High-density Li-ion, 1024Wh capacity

R Blazing Fast Recharge

1200W AC input, 0-80% in 1.0h (full 1.5h)

O AC Output & Ports

8 global outlets (US/EU/CN), 1500W rated power

M MPPT Solar Charging

Max 200W solar input, high-efficiency charging

C 4 Charging Methods

AC wall, solar panel, generator & car adapter

L Safety & Lighting

Global certs (UL/CE/FCC), removable SOS light

RESIDENTIAL · OFF-GRID & STORAGE

XT1500 — Fully Charged for Outdoor Adventures, Freedom to Roam

Compact, rugged portable power for off-grid living and adventure



C Core Power

Capacity 1228Wh; AC output
1500W (4US+2EU+2CN)

F Fast Charge

AC 80% in 1.0h; Solar 400W max |
Wireless 2×15W

V Versatile Input

4-way: AC wall / solar panel /
generator / car adapter

S Safety Certified

UL / CE / FCC / PSE / RoHS / UN38.3

ENERGY MANAGEMENT

EMS & eDome Cloud — The Brains of the Plant

Generation, grid-side and C&I dispatch with sub-20 ms response



EAEMS-DM919 station EMS · EAPMS-DM600 controller · eDome cloud O&M · EAuEMS-DM206 gateway

< 20 ms Response

Primary frequency regulation response under 20 ms with panoramic second-level monitoring.

1 GWh Access · 99.9%

Dual-server, dual-network redundancy; $\geq 99.9\%$ availability; ≥ 2 yrs historical data.

Rich Strategy Portfolio

Peak-shaving, dynamic VAR, inertia support, load shedding, PV-storage synergy.

Open Protocols

IEC 104, IEC 61850, Modbus TCP — integrates with any SCADA / trading backend.

SECTION 06

EV Charging Solutions

7kW AC Home → 480kW DC Ultra-Fast · OCPP 2.0J · Solar-Storage-Charging Integration

EV CHARGING · EVCHARGING (EAST GROUP SUBSIDIARY)

Empowering Green Mobility — Full Charging Portfolio

From 7 kW home AC to 480 kW DC fast — one open, OCPP-compliant ecosystem



AC Home & Commercial

7 – 22 kW Atlas



DC Fast Chargers

20 – 480 kW



Smart Operating Platform

Cloud SaaS



Proven Globally

Field deployed

Two flagship solutions



Residential ES & Charging

Rooftop PV → hybrid inverter → battery storage → AC charger, all cloud-managed for the home.



PV + Storage + EV Charging

Grid + transformer + PV + C&I ESS feeding DC chargers, DC wallboxes and AC chargers under one EMS.

AC Chargers — Home to Commercial

Atlas family: weatherproof, smart-managed, certified for global grids



Cable & socket versions · IP65 · -40 to 60°C

Model	7/11 kW Atlas Home	7–22 kW Commercial	7 kW A7
Phase / power	1-ph 7kW / 3-ph 11kW	7 / 11 / 22 kW	7 kW
Connector	Type 2 / Socket	Type 2 / Type 1	Type 1/2 · GB/T
Comms	WiFi/BT/Ethernet, 4G opt	+ 4.3" LCD	Plug&Charge/RFID/App
Protocol	OCPP 1.6J → 2.0	OCPP 1.6J → 2.0	OCPP 1.6J
Protection	9-fold · IP65	9-fold · IP65	11-layer · IP65

Open & Future-proof

OCPP/OCPI — integrates with any backend, parking or fleet system.
No vendor lock-in.

Smart Load Management

Dynamic energy distribution and scheduled off-peak charging cut electricity bills.

DC Fast Chargers — 20 kW to 480 kW

Modular, liquid/air-cooled, 200–1000 V wide range with dynamic power sharing



CCS1 · CCS2 · CHAdeMO · GB/T · IP54

Series	20–80 kW	80–160 kW Atlas	60–360 kW	320–480 kW DC GB
Output V	200–1000 V	200–1000 V	200–1000 V	200–1000 V
Max current	125–200 A	200 A	200 A	200–400 A
Outlets	1–2	1–3	1–2	2
Efficiency	96%	—	—	≥96%
Protections	54-fold	53-fold	54+	54+

Modular & Maintainable

Pre-installed modules, automatic inspection, remote diagnostics & OTA upgrade keep uptime high.

Built to Scale Up

Dynamic power allocation and parallel design ready for future high-power charging needs.

Smart Operating Platform + Proven Projects

Platform-as-a-service for operators — and a global deployment record

Platform-as-a-Service

Cloud platform for large operators — millions of drivers and transactions across sites.

OCPP & OCPI Compliant

Open protocols, future-proof, easy to integrate with parking, fleets and other backends.

White-label Interfaces

Fully branded portal and apps; configurable billing and charging-priority rules.

Customizable Features

Extensive billing and payment options tailored to each corporate customer.

Selected project cases



COP27

UN Climate Conf.,
Egypt



BMW

Battery Recycle
Storage



Smart Home

Charger, Israel



China Southern

Power Grid



XPeng

Super Charger
(NASDAQ: XPEV)



HK-Zhuhai-Macao

Bridge Bus Charging

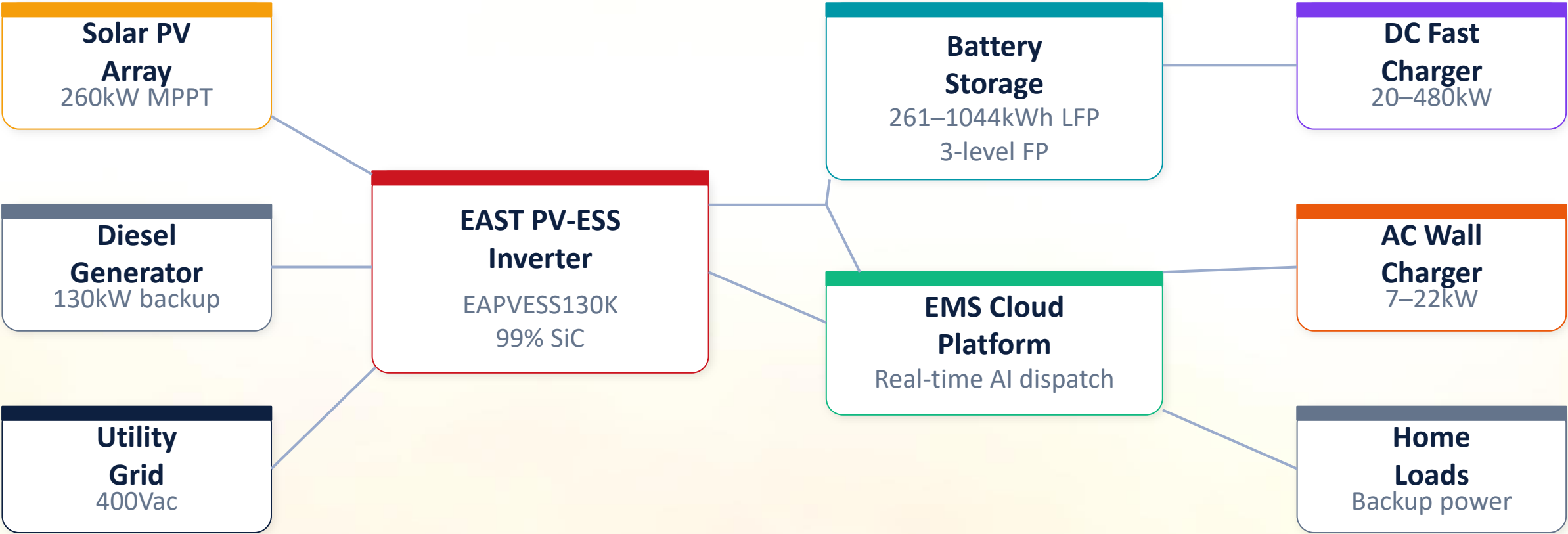
EV Charging — EAST Atlas vs ABB Terra vs ChargePoint vs Wallbox

Attribute	EAST Atlas DC	ABB Terra HP	ChargePoint CPF50	Wallbox Copper SB
Max DC Power	480kW	360kW	500kW	150kW
Conversion Efficiency	96%	97%	94%	93%
Connector Types	CCS2+CHAdEMO+GB/T	CCS2+CHAdEMO	CCS2	CCS2
Payment Methods	NFC+RFID+APP+POS+VIN	RFID+APP	RFID+APP	RFID+APP
OCPP Version	1.6J → 2.0J	2.0J	1.6J	1.6J
Dynamic Power Share	✓ Granular	Limited	✗	✗
Solar-Storage-EV Integ.	✓ Full PV-ESS-EV	✗	✗	✗
IP Rating	IP54	IP54	IP54	IP54
Operating Temp	−25°C to 50°C	−35°C to 55°C	−20°C to 50°C	−25°C to 40°C
Screen Size	7–15" HD touch	7–10" touch	7" touch	7" touch
Background Platform	✓ Cloud+APP+API	Cloud only	Cloud only	Cloud only
Modular Architecture	✓ Pre-installed	Field-upgradeable	Fixed	Fixed

★ Only EAST offers full Solar-Storage-EV integration — PV-ESS-Charger as one system. Competitors supply chargers only.

PV + Storage + EV Charging — Integrated Ecosystem

Only EAST offers this full-stack PV-ESS-EV solution from one manufacturer



★ **One-stop integration advantage:** EAST manages PV → Battery → Inverter → EMS → EV Charger as a unified system. Competitors (ABB, ChargePoint, Huawei) only supply one piece — customers bear integration complexity and multi-vendor risk.

SUMMARY

Why Choose EAST

The differentiators that carry across every product line



4S Full-Stack

PMS→BMS→PCS→EMS in-house —
optimised, one warranty



-16%+ LCOE

Large 314/587 Ah cells + 99% PCS
efficiency



True Grid-Forming

300% overload 10 s · black start ·
weak-grid ready



Built Tough

IP67 PACK · C5 · 4000 m · -30 to 60°C



Open & Flexible

3rd-party inverters, OCPP, IEC61850
— no lock-in



Bankable & Proven

37 yrs · 12 GWh+ · Tier 1 BNEF ·
global projects

Let's build your energy future.

4S Full-Stack Integration · Smart-Storage Synergy



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EAST Energy Storage System Solutions · 4S Full-Stack Integration

