EnerShare

Redefine Energy
Full-Scenario Energy System

All New Enershare **ICE CORE Low Temp Battery**



ICE Core

HIGH VOLTAGE STACK BATTERY

15.36kWh-51.2kWh

≥96% ROUND-TRIP EFFICIENCY

15 WARRANTY YEARS Refer to Limited Warranty Letter.

IP65 ENCLOSURE PROTECTION RATING

Up to 6 towers in parallel
From 15.36 kWh to 307.2 kWh

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Enershare

https://www.enershare.cn

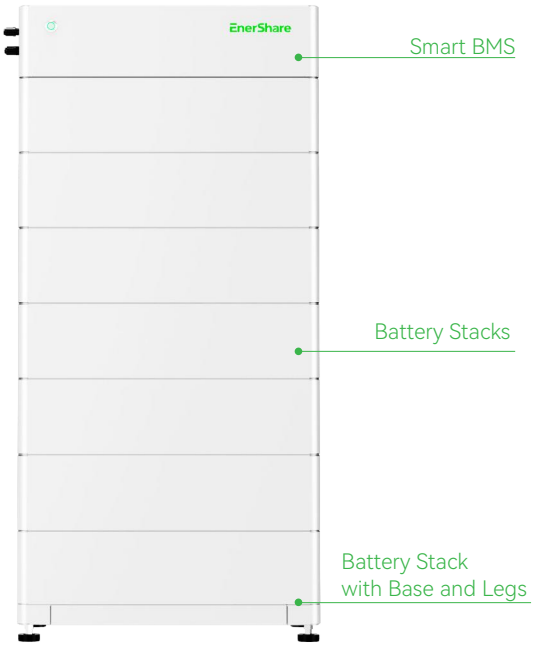
ICE Core High-Voltage Battery

The Enershare **ICE** Core High-Voltage Battery Energy Storage System is a professional-grade energy storage solution engineered for full-scenario energy storage demands. It is highly adaptable to diverse application scenarios including residential and small industrial & commercial use, and fully meets various power consumption requirements such as on-grid, off-grid, and on-grid+backup modes, providing safe, reliable, long-lasting and stable high-voltage energy storage support for different scenarios.

Boasting an IP65-rated enclosure, the system delivers excellent dust and water resistance and ensures stable operation under complex working conditions. The multi-stack combination adopts a standardized specification design with strong parameter compatibility, flexibly matching inverters of various brands. Meanwhile, it is equipped with CAN/RS485 communication interfaces, perfectly adapting to various intelligent regulation and control needs.

With its high-voltage hardcore performance and flexible design, the Enershare **ICE**Core stands out as the optimal choice for full-scenario high-voltage energy storage applications.







Battery	ICE Core
Usable Energy	5.12 kWh
Nominal Voltage	51.2 V
Rated Capacity	100 Ah
Battery Cell Technology	Lithium Iron Phosphate ($LiFePO_4$)
Weight	**45** kg

High Energy & Flexible Scalability

Single stack: 5.12 kWh; multi-stack combination: 15.36 kWh - 51.2 kWh. Supports parallel connection of up to 6 towers for a maximum of 307.2 kWh, adaptable to diverse energy storage capacity requirements.

High Efficiency & Low Loss

Round-trip conversion efficiency ≥96%, featuring high electrical energy utilization and minimal energy storage loss.

Stable High-Current Output

Continuous charge/discharge current: 50A; peak current: 75A (3s), delivering powerful and stable power output.

Wide Voltage & Temperature Adaptability

Operating voltage range: 120~600V; operating temperature range: -20℃~+55℃, ensuring stable operation in complex environments.

High-Quality Cells for Durability

Adopting Lithium Iron Phosphate (LiFePO4) cells, paired with a 15-year long warranty, boasting a long service life and high safety performance.

High Protection & Strong Compatibility

IP65-rated enclosure for dust and water resistance; supports CAN/RS485 communication, and is compatible with on-grid, on-grid+backup and off-grid multi-scenario applications.

Compact Design for Easy Installation

Fixed length and width: 360/620 mm (only height adjusted with capacity), featuring a compact volume and high space utilization.

Standardized Specifications

Unified specifications for multi-stack combinations with strong parameter compatibility, flexibly matching inverters of different brands.

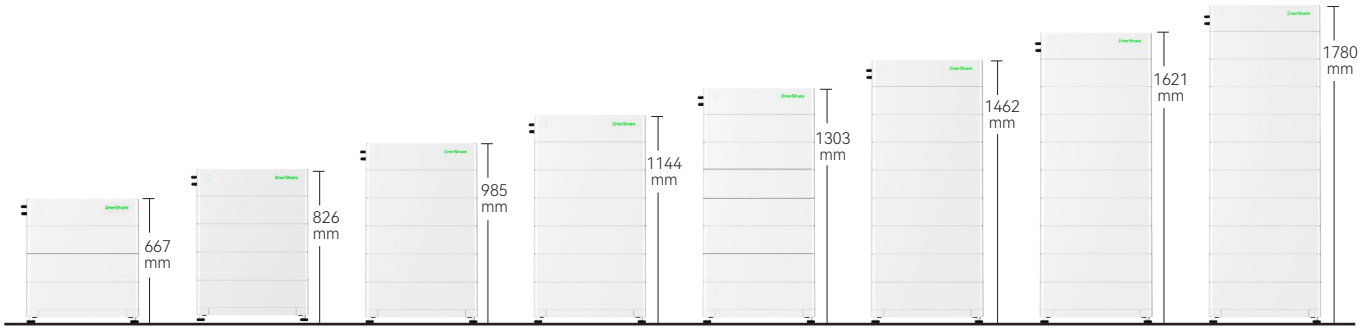
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ICE Core

Redefine Energy
Full-Scenario Energy System

With a rated specification of 5.12kWh/51.2V/100Ah for a single stack, the system features a high-voltage architecture design and supports flexible combination of 3 to 10 stacks, enabling scalable capacity configuration from 15.36kWh to 51.2kWh. What's more, it can be paralleled with up to 6 towers to expand the total capacity to 307.2kWh, which precisely matches the capacity requirements of different scenarios and achieves optimal high-voltage adaptability and scenario compatibility.





Number of Stacks	3	4	5	6	7	8	9	10
Usable Energy	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh	46.08 kWh	51.2 kWh

Max. 6 towers in Parallel (From 51.2 kWh to 307.2 kWh)



Usable Energy

51.2 kWh *6 = 307.2kWh

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System Parameters



Number of Stacks	3	4	5	6
Usable Energy [1]	**15.36 kWh**	**20.48 kWh**	**25.6 kWh**	**30.72 kWh**
Nominal Voltage	153 V	204 V	256 V	307 V
Operating Voltage	120 ~ 177 V	160 ~ 236 V	200 ~ 295 V	240 ~ 354 V
Dimensions (L / W / H)	360 * 620 * 667 mm	360* 620 *826 mm	360 * 620 * 985 mm	360 * 620 *1144 mm
Weight	**150** kg	**195** kg	**240** kg	**285** kg

General Data

Max. Charge and Discharge Current [2]	50 A
Peak Charge and Discharge Current [2]	75 A, 3 s
Scalability	Max. 6 towers in Parallel (From 15.36 kWh to 307.2 kWh)
Operating Temperature	-20℃ to +55℃
Battery Cell Technology	Lithium Iron Phosphate (LiFePO4)
Communication	CAN / RS485
Enclosure Protection Rating	IP65
Round-trip Efficiency	≥ 96%
Certification	TBD
Applications	On Grid / On Grid + Backup / Off Grid
Warranty [3]	**10 years / Up to15 years**

[1] DC Usable Energy, test conditions: 100% DOD, 0.2 C charge & discharge at +25 ℃. System Usable Energy may vary with different inverter brands.
[2] Charge and discharge derating.
[3] Conditions apply. Refer to Limited Warranty Letter.

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System Parameters



Number of Stacks	7	8	9	10
Usable Energy [1]	**35.84 kWh**	**40.96 kWh**	**46.08 kWh**	**51.2 kWh**
Nominal Voltage	358 V	409 V	460 V	512 V
Operating Voltage	280 ~ 413 V	320 ~ 472 V	360 ~ 531 V	400 ~ 600 V
Dimensions (L / W / H)	360 * 620 * 1303 mm	360 * 620 * 1462 mm	360 * 620 * 1621 mm	360 * 620 * 1780 mm
Weight	**330** kg	**375** kg	**420** kg	**465** kg

General Data

Max. Charge and Discharge Current [2]	50 A
Peak Charge and Discharge Current [2]	75 A, 3 s
Scalability	Max. 6 towers in Parallel (From 15.36 kWh to 307.2 kWh)
Operating Temperature	-20℃ to +55℃
Battery Cell Technology	Lithium Iron Phosphate ($LiFePO_4$)
Communication	CAN / RS485
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