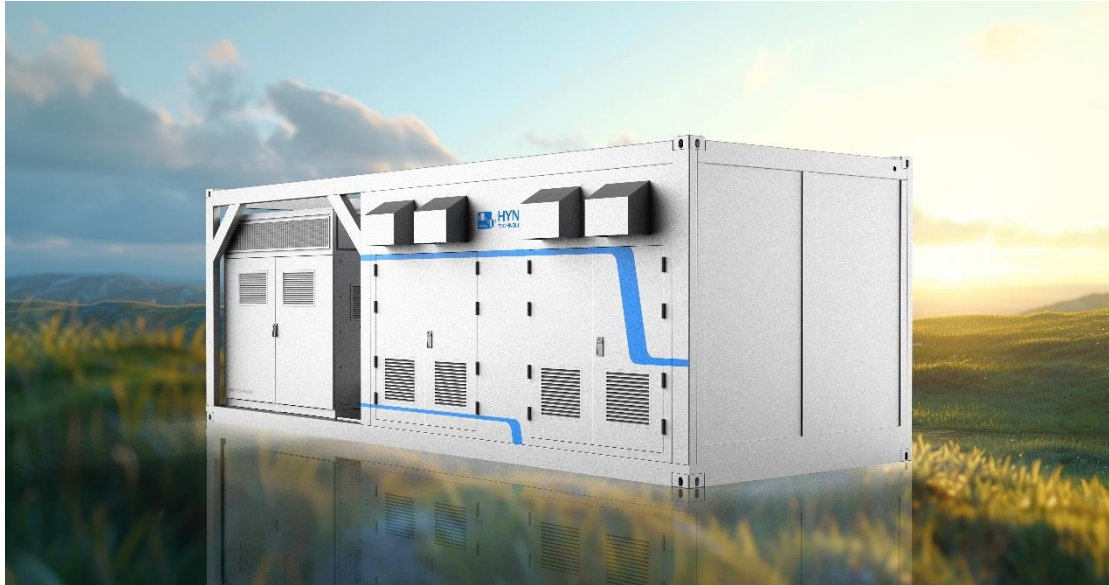


Integrated Inverter Step-up Transformer System



Product Features

Reliable & Secure

- Developed on the same platform as grid-level protection systems, enabling coordinated protection across EMS, PMS, PCS, and BMS.
- Supports multi-layer system protection to address poor coordination and fault isolation challenges common in the industry.

Smart & Convenient

- One-click system-wide upgrades — no need to update subunits individually.
- Intelligent SOC calibration — no shutdown required.
- Shipped with coolant pre-filled — no on-site filling needed.
- Real-time intelligent monitoring reduces manual inspection frequency.

Cost-Efficient

- All-in-one design reduces footprint by 38% and weight by 27%.
- Both PACK and PCS adopt modular design, ensuring easy

maintenance and minimal failure loss.

Highly Adaptable

- Built for extreme environments — resistant to desert, high altitude, salt spray, extreme heat, and cold.

Parameters

IBC-1500V-5MW

Maximum DC power

5000/6250/6900kW

DC input channels

2/4

AC voltage range

586~759V

Maximum DC current

1587A*4

Rated grid frequency

50/60Hz

Transformer type

Dry/Oil

Maximum efficiency

99%

Allowable Ambient Temperature

-30°C~+60°C

IBC-1500V-6.25MW

DC voltage range

1000~1500V

Maximum DC current

5000/6250/6900A

Maximum AC power

5500/6875/7590kVA

Rated AC voltage

690V

Harmonic (THDi)

<3% (Rated power)

LV/MV voltage

0.69kV/35kV

IP rating

IP 54

IBC-1500V-6.9MW