

String 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 5160-15001S-12/24CH

Maximum DC power

237*n(12/24)

DC input channels

12/24

AC voltage range

586~759V

Maximum DC current

179A

Rated grid frequency

50/60Hz

Transformer type

Dry/Oil

Maximum efficiency

98.5%

Allowable ambient temperature

-30°C~+60°C

DC voltage range

1000~1500V

Maximum DC current

215*n (12/*24)

Maximum AC power

237*n

Rated AC voltage

690V

Harmonic (THDi)

<3% (Rated power)

LV/MV voltage

6~35kV

IP rating

IP 65 (PCS Enclosure)