

## String Inverter Step-up Transformer System

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### 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)**