

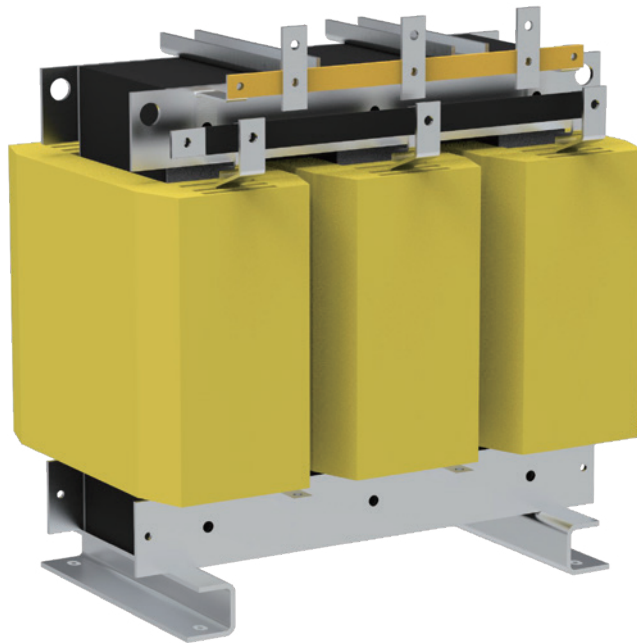


INFINITE POWER

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Isolation Transformer

SPECIFICATION



Shenzhen Infinite Power Technology Co.,Ltd.

1.1. Model Description

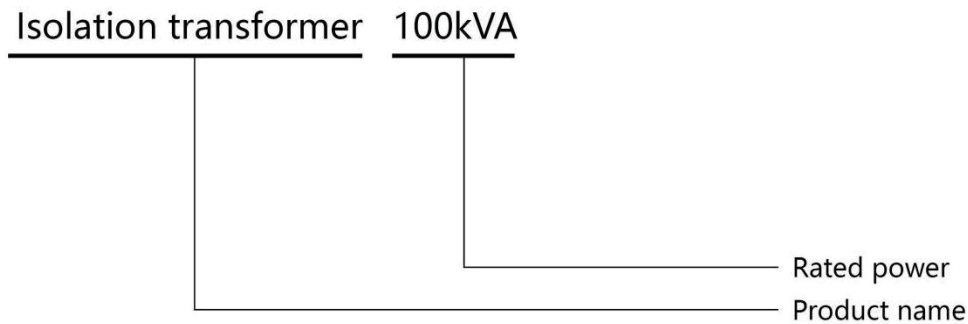


Figure 1-1 Model identification



Note: The rated output power of the isolation transformer can be flexibly configured according to project requirements.

1.2. Product Function

HT 100kVA isolation transformers mainly electrically isolate the energy storage system from the grid or other equipment, preventing the direct flow of current and ensuring the safety of operators.

Isolation transformer application scenarios: on&off-grid and off-grid.

1.3. Product Features

- **Electrical isolation:** Electrically isolates the energy storage system from the grid or other equipment.
- **Voltage conversion:** According to the demand of the energy storage system, convert the input voltage to a suitable output voltage to meet the working requirements of various devices.
- **Customised design:** It meets the requirements of different energy storage systems according to the specific needs of the customer.

1.4. Product Parameters

The following are typical configuration parameters for a 100kVA isolation transformer, the actual supply is subject to the technical agreement.

Table 1-1Parameters of 100kVA isolation transformer

Model	100kVA isolation transformer
<i>Rated power</i>	100kVA
<i>Insulation Class</i>	H
<i>Connection Group</i>	Dyn11
<i>Input Voltage</i>	400V
<i>Input Current</i>	144A
<i>Output Voltage</i>	400V
<i>Output Current</i>	144A
<i>Rated frequency</i>	50Hz
<i>Operating Temperature</i>	-40~50°C
<i>Storage Temperature</i>	-40~70°C
<i>Relative humidity</i>	10~90% (no condensation))
<i>No-load Loss</i>	≤670W
<i>Efficiency</i>	> 97.5%
<i>Impedance</i>	2.8%
<i>Installation Location</i>	Indoor
<i>Altitude</i>	> 3000m (> 2000m reduction)
<i>Dimensions (W * D * H)</i>	650*430*665mm
<i>Weight (approx.)</i>	400kg

1.5. Shape and Installation Dimensions

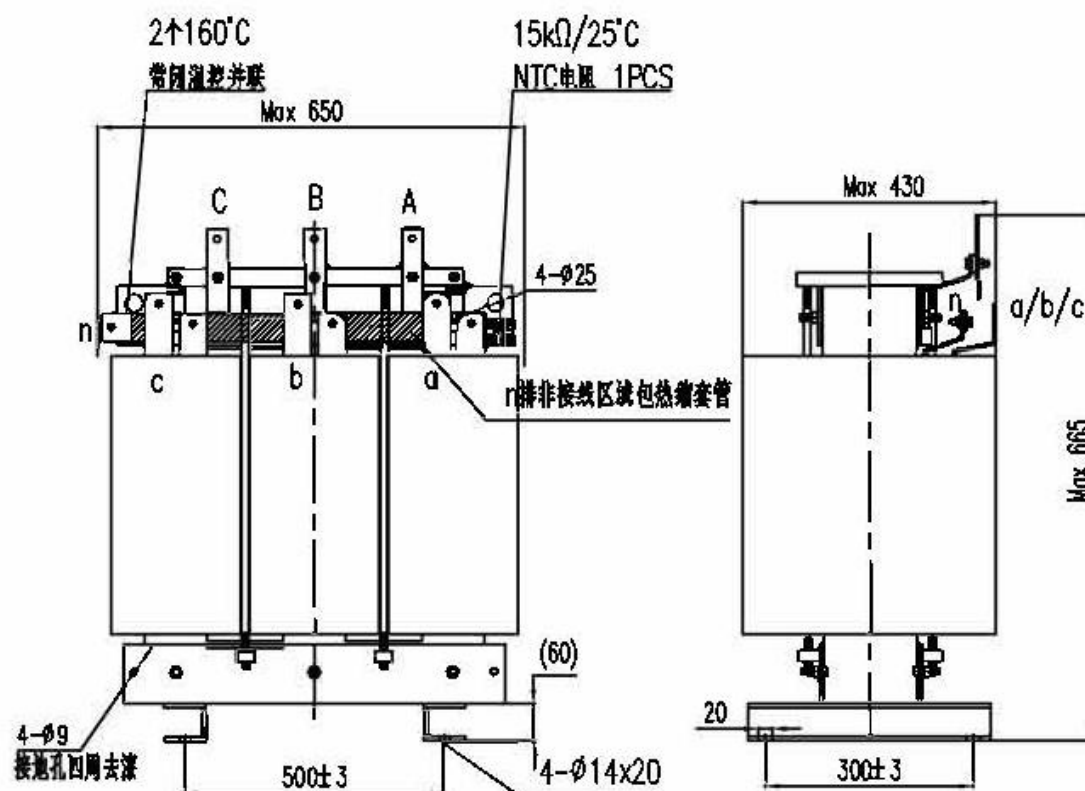


Figure 1-2 Installation Dimension Diagram