1. Safety Precautions

1.1 Precautions concerning working environment and conditions

- Places where the ambient temperature exceeds the working temperature range (-5°C to +55°C).
- Places with a lot of dust, corrosive gas, salt or oily smoke.
- Places where the unit may be exposed to rain or drops of water.
- Places where metallic particles or inductive substances are laying around.
- Places which exceed the humidity range (50% to 85% RH) or where condensation occurs.
- Places where the daily average temperature exceeds +35°C.
- Places where the daily average humidity exceeds 85%RH.
- Places where places with a lot of vibration or impact.
- Places with a lot of dust, corrosive gas, salt or oily smoke.
- Places where the working temperature exceeds the working temperature range.
- Places where metallic particles or inductive substances are laying around.
- Places where places with a lot of vibration or impact.

1.3 Precautions concerning installation and connection

- Make sure to use the module by following cautions of this section.
- Use the unit in the specified usage environment and conditions.
- Use in the environment with the pollution degree 2 or less.
- Places with a lot of dust, corrosive gas, salt or oily smoke.
- Places where metallic particles or inductive substances are laying around.
- Places where the working temperature exceeds the working temperature range.
- Places where metallic particles or inductive substances are laying around.

1.4 Precautions concerning maintenance

- Protect the unit from a power failure. Failure to do so can cause unit failures, fires, or electric shocks.
- When storing the unit, turn off power, disconnect cables and wires, and put them in vinyl bags or the like.
- Do not use the product if it is damaged.
- Do not store the product in a place where it may be exposed to direct sunlight.
- Do not store the product in a place where it will be exposed to rain or water drops.

2. Installation

2.1 Precautions concerning installation and connection

- Perform installation, disassembly, the wiring work after interposing a power supply by all means. There might be the damage of an electric shock or the product. ( )
- Do not install around non-insulated dangerous electric shock conductors that can cause electric shock, electric burn or arc flash. ( )

2.2 Precautions concerning installation before using the equipment

- Do not use the unit in any of the following places. Doing so may cause malfunctions or a reduction in service life.
- Places where the daily average temperature exceeds +35°C.
- Places where the working temperature exceeds the working temperature range (-5°C to +55°C).
- Places where the daily average temperature exceeds +35°C.
- Places where places with a lot of vibration or impact.
- Places where metallic particles or inductive substances are laying around.

2.3 Precautions concerning installation after using the equipment

- Dispose this product appropriately in accordance with the national or community rule. (Refer to 3.1 WEEE Directive.)

3. Specification

3.1 Maximum output voltage range

- Maximum output voltage range: 200V to 460V AC/DC

3.2 Rated primary current

- Rated primary current: 400A AC

3.3 Specifications

- Working temperature range: 0°C to +55°C (daily mean temperature: +35°C or less)
- Working humidity range: 30% to 85% RH (no condensation)
- UL/c-UL conformity combination unit

4. Contained harmful substances

4.1 Product information

- The product contains the following harmful substances:

<table>
<thead>
<tr>
<th>Component</th>
<th>Content (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td>1000</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>100</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>100</td>
</tr>
<tr>
<td>Polybrominated biphenyl (PBB)</td>
<td>100</td>
</tr>
<tr>
<td>Polybrominated diphenyl ether (PBDE)</td>
<td>100</td>
</tr>
</tbody>
</table>

4.2 Content information

- The product contains the following harmful substances:

<table>
<thead>
<tr>
<th>Component</th>
<th>Content (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead (Pb)</td>
<td>1000</td>
</tr>
<tr>
<td>Mercury (Hg)</td>
<td>100</td>
</tr>
<tr>
<td>Cadmium (Cd)</td>
<td>100</td>
</tr>
<tr>
<td>Polybrominated biphenyl (PBB)</td>
<td>100</td>
</tr>
<tr>
<td>Polybrominated diphenyl ether (PBDE)</td>
<td>100</td>
</tr>
</tbody>
</table>

5. Customer Service

- For more information, please contact your local sales office.