



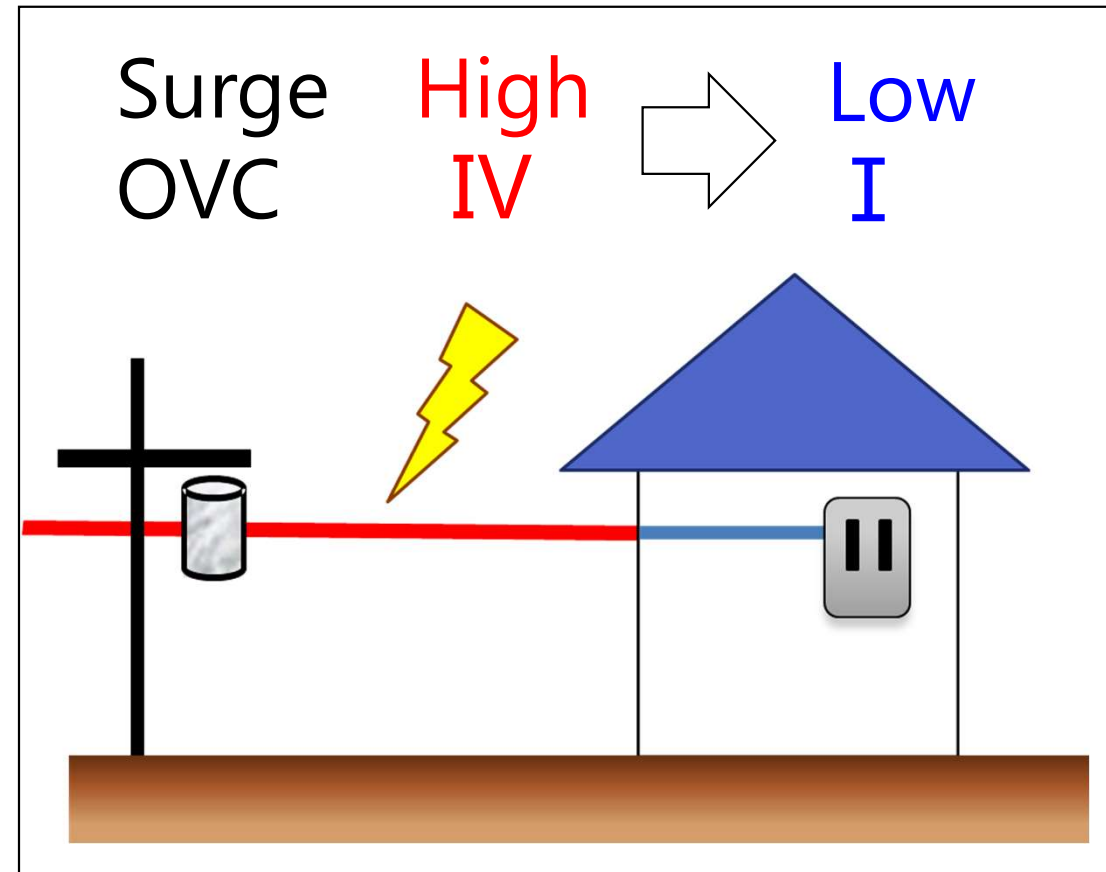
# OVCⅢ (Overvoltage CategoryⅢ)

- What is OVCⅢ
- Benefits of obtaining OVCⅢ
- OVCⅢ acquired product lineup

## What is OVCⅢ(Overvoltage CategoryⅢ)

「The value that indicates the transient overvoltage condition of equipment.」

The idea that outdoor equipment is more susceptible to surges caused by lightning than indoor equipment.



## What is OVCⅢ(Overvoltage CategoryⅢ)

- **CategoryⅣ**      「Used in facility's utility inlet」  
Electricity meters, etc.
- **CategoryⅢ**      「Equipment within fixed facilities」  
Industrial equipment permanently connected to fixed facilities, etc.
- **CategoryⅡ**      「Equipment consuming energy supplied from fixed facilities」  
Home appliances, portable tools, etc.
- **CategoryⅠ**      「Connected to circuits with measures to suppress transient overvoltage」  
Equipment equipped with protective circuits, etc.

## What is OVCIII(Overvoltage CategoryIII)

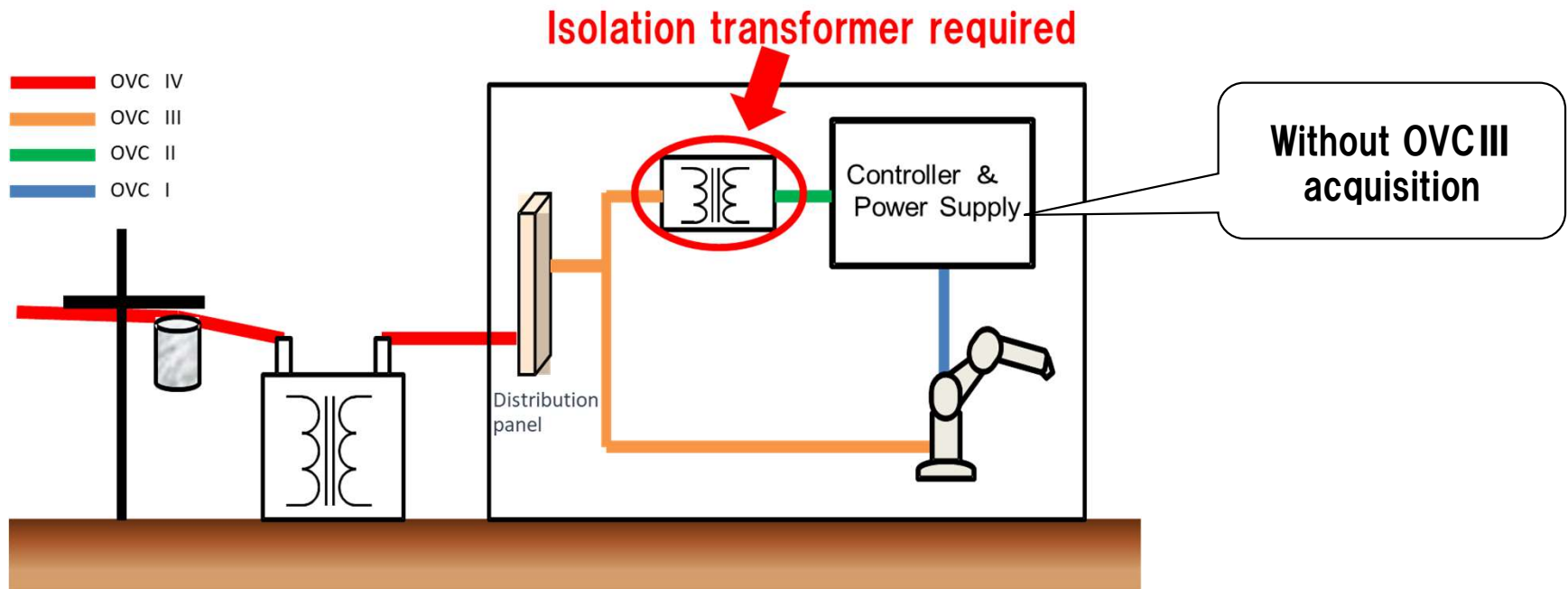
The allowable value of transient overvoltage

⇒ The required voltage withstand capability of equipment

Nominal voltage	I	II	III	IV
150	800	1,500	2,500	4,000
300	1,500	2,500	4,000	6,000
600	2,500	4,000	6,000	8,000
1,000	4,000	6,000	8,000	12,000

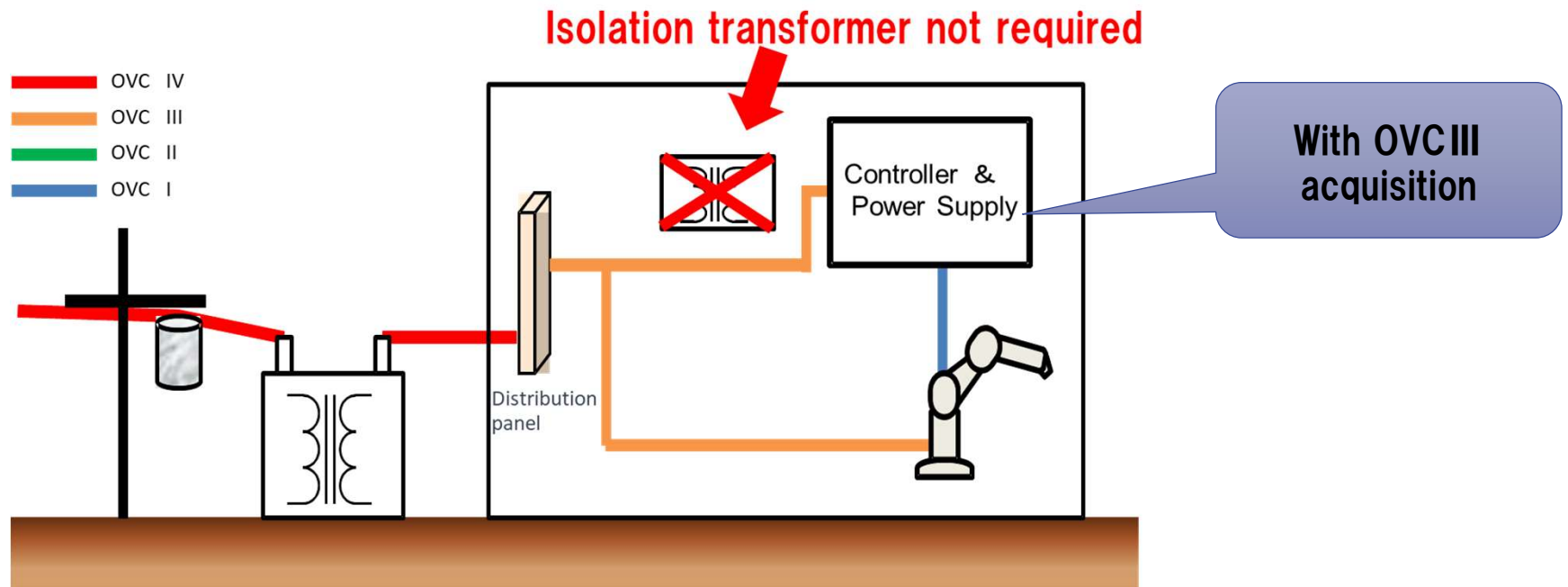
Universal input  
Power Supply

## Benefits of obtaining OVC III



If wiring to the distribution board, the addition of an isolation transformer in between is required.

## Benefits of obtaining OVC III



The elimination of isolation transformer allows direct wiring to the distribution board, contributing to downsizing and weight reduction of the equipment.

## OVCIII acquired product lineup

product	OVCIII	Acquisition status
LHA150/300	EN62477-1	✓
LHP150/300	EN62477-1	✓
AEA600/800/1000	EN62477-1	✓
RBC200/300	EN62477-1	✓
	EN61558-2-16	Compliance
WMA35/75/150/350	EN61558-2-16	✓