

CPE-ER500VA

Transformer Trainer



FEATURES

- Hands-on training in the use of components being used in the field
- Composed of 3-phase transformer, 3-phase load resistor, 3-phase variac and I/O measuring meters
- Semitransparent front panel in the see-thru structure capable of observing wire connections inside the system
- Supports open architecture in the rear side of the system for easily checking the components and wire connections
- Forced ventilation system to effectively suppress heat caused by loads during the course of experiments

EXPERIMENTAL CONTENTS

- Voltage regulation
- No-load loss measurement
- Regulation efficiency calculation
- Maximum efficiency measurement
- The polarity of transformer
- Y-Y electrical connection practices
- Δ-Δ electrical connection practices
- Δ-Y electrical connection practices
- Y-Δ electrical connection practices
- V-V electrical connection practices
- Operational practices on transformer (series / parallel)

SPECIFICATIONS

Input voltage	3-phase AC 220V
	Circuit breaker : 1ea
	Power indicator lamp : 3ea
Variac (variable power)	Power range : 0 ~ 240V (3-phase)
	Input terminal : R, S, T
	Output terminal : U, V, W, N
Transformer	Rated capacity (500VA) : 3ea
	Primary : 0V / 110V / 220V
	Secondary : 0V / 110V / 220V
Input measuring meter	Voltmeter (0 ~ 300V) : 3ea
	Ammeter (0 ~ 3A) : 3ea
	Wattmeter (0 ~ 750W) : 1ea
Output measuring meter	Voltmeter (0 ~ 300V) : 3ea
	Ammeter (0 ~ 3A) : 3ea
	Wattmeter (0 ~ 750W) : 1ea
Load resistor (Switch control type)	200Ω /400W : 3ea
	400Ω/200W : 3ea
	600Ω/300W : 3ea

STANDARD ACCESSORIES

- Power cord : 1ea
- Connection cable : 1set
- User's guide & experimental manual: 1ea