New Generation Digital Logic Combined Functional Setting. Complete Capacity and Specifications, CE Certified. The Series is designed of built-in multiple functions digital meters, in conjunction of indicators. The equipment is easy in operation. Joining with a number of patents and anti-mistake engineering design. The producing procedure meet international standard, with high quality and long MTBF, the serial equipment are good for all kinds load and sites.

**Features:**

- Microprocessor Control Unit (MCU) controlled regulation
- Multi-Phase, Multi-Function and Real-time measuring system Single-Chip (EMP)
- Built-in patented bypass device for equipment protection
- Big range high / low voltage protection device
- Phase loss, instant black-out and short circuit protection device
- Solid-state zero point transform drive circuit
- Start Over Voltage Protection (SOVP)
- Independent regulation and protection design
- Built-in digital voltmeter on internal panel for monitoring voltage, frequency and other electricity information
- Signals of the AVR is totally in True RMS treatment
- Internally and externally built multi-function state indicators
- New type 4-digit safety password setting functions
- Electronic double circuitry switch design
- Full series with the same control system and multi anti-mistake circuit design
- Separate voltage regulation design, 3 phases imbalance 100%
- Taiwan patent no. 160215 and 162577
- China patent no. 125595 & 390066
- Double overload and short circuit protection

**Scope of Application:**

- PCB Drilling Machine
- Integrated Processing Machine
- SMT
- EDM
- Milling Machine
- AI Component Inserting Machine
## Model & Specification:

<table>
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<th>Model No.</th>
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<th>PRN-</th>
<th>Capacity (KVA)</th>
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### Voltage

- X2: I/P: 3ϕ 3W 198V ~ 242V
- X3: I/P: 3ϕ 3W 342V ~ 418V
- N1: I/P: 3ϕ 4W 99/171V ~ 121/209V
- N2: I/P: 3ϕ 4W 198/342V ~ 242/418V

### Main Structure

- Digital logic linear voltage regulation mode
- True RMS (Precision of voltage regulation is not affected by waveform distortion)
- Power Factor: 0.95~1
- Efficiency: ≥98%
- Response time: <0.1 Second
- Waveform Distortion: No distortion

### Protection

- High Voltage
- Standard feature (any high voltage tripping point value is set digitally)
- Low Voltage
- Standard feature (any low voltage tripping point value is set digitally)
- Phase Loss
- Standard feature (any phase loss tripping point value is set digitally)

### Bypass

- Standard feature (with High / Low Voltage, Phase Loss, Instant Trip Protection at work)

### Indicators

- Power
- Standard feature
- Voltage
- Standard feature (three phase voltage is equipped with digital meter display)
- Abnormal
- Standard feature

### Safety Protection

- 4-digit safety password setting

### Overload

- 150% for 10 seconds

### Environment

- Temperature: 0℃ ~ 45℃
- Humidity: 0% ~ 95% RH (Non-Condensing)