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
### Noise Preventing Device
The AVR is installed in extra arc suppressor and noise interference prevention devices.

### Separated Regulation
Three phase separate regulators design for attaining precise output.

### I/P & O/P Wires Protection
Wiring fixed, input/output wires well sealed, stable & safety.

### Bypass Device
It allows for bypassing at of protection and maintenance. And when bypassed, the protection functions is still working.

### H Class Protection
With Class H insulation materials transformer.

### Model & Specification:

<table>
<thead>
<tr>
<th>Model No.</th>
<th>APR-</th>
<th>Capacity (KVA)</th>
<th>PRN-</th>
<th>Capacity (KVA)</th>
<th>I/P Range</th>
<th>O/P Accuracy</th>
<th>Voltage</th>
<th>Main Structure</th>
<th>Voltage Regulating Signals</th>
<th>Power Factor</th>
<th>Efficiency</th>
<th>Response time</th>
<th>Waveform Distortion</th>
<th>Protection</th>
<th>Bypass</th>
<th>Indicators</th>
<th>Safety Protection</th>
<th>Environment</th>
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<tbody>
<tr>
<td>3120</td>
<td>X/N/Y</td>
<td>120</td>
<td>X/N</td>
<td>300</td>
<td>-A = ±10%</td>
<td>±1%</td>
<td>X2 : 3φ3W 220V</td>
<td>Digital logic linear voltage regulation mode</td>
<td>True RMS (Precision of voltage regulation is not affected by waveform distortion)</td>
<td>0.95~1</td>
<td>≥98%</td>
<td>&lt;0.1 Second</td>
<td>No distortion</td>
<td>High Voltage</td>
<td>Standard feature (any high voltage tripping point value is set digitally)</td>
<td>Standard feature (with High / Low Voltage, Phase Loss, Instant Trip Protection at work)</td>
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<td>X/N/Y</td>
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<td>X/N</td>
<td>400</td>
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<td>X3 : 3φ3W 380V</td>
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<td>Low Voltage</td>
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<td>N1 : 3φ4W 110/190V or 120/208V</td>
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<td>Phase Loss</td>
<td>Standard feature</td>
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<td>X/N</td>
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<td>N2 : 3φ4W 220/380V or 230/400V</td>
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### Environment
- Temperature: 0°C ~ 45°C
- Humidity: 0% ~ 95% RH (Non-Condensing)