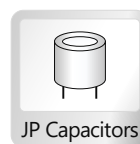




### KEY FEATURES

- Complies with IEC/UL 62368-1 standard
- Meets IEEE 802.3af/at/bt PSE requirements
- Dual output design meets PoE insulation regulation
- Dual outputs with different ground wires
- 1+1 redundancy design with current sharing
- Low inrush current design
- Exclusive design prolongs capacitor lifetime ( $\geq 5$  yrs.)



### SPECIFICATION

| Model Name    |                            | TN09-0589-02                                                               |                  |
|---------------|----------------------------|----------------------------------------------------------------------------|------------------|
| Output        | Rated Power                | 589 W (with 15 CFM fan x 2)                                                |                  |
|               | Derating Power             | 412.3W@70°C (Derate linearly from 100% load at +50°C to 50% load at +70°C) |                  |
|               | Output Voltage             | 12 Vdc                                                                     | 54 Vdc           |
|               | Maximum Output Current     | 14 A                                                                       | 7.8 A            |
|               | Over Current Limit         | $\leq 20$ A                                                                | $\leq 12$ A      |
|               | Minimum Output Current     | 0 A                                                                        | 0 A              |
|               | Ripple & Noise             | $\leq 120$ mVp-p                                                           | $\leq 500$ mVp-p |
|               | Hold Up Time               | $\geq 20$ ms @100% Load                                                    |                  |
| Input         | Input Voltage              | 90~264 Vac                                                                 |                  |
|               | Input Frequency            | 47~63 Hz                                                                   |                  |
|               | Power Factor               | $\geq 0.98$ @100% Load, 115Vac                                             |                  |
|               | Efficiency                 | $\geq 87$ %                                                                |                  |
|               | Inrush Current             | $\leq 30$ A @230Vac, 25°C                                                  |                  |
| EMC           | Surge                      | 4KV (L/N-G), 2KV (L-N)                                                     |                  |
|               | EMI                        | EN55032, FCC Part 15                                                       |                  |
|               | ESD                        | IEC61000-4-2                                                               |                  |
| Environmental | Operating Temperature      | -20~+70 °C                                                                 |                  |
|               | Storage Temperature        | -40~+85 °C                                                                 |                  |
|               | Operating Humidity         | 5~95 %RH                                                                   |                  |
|               | Storage Humidity           | 5~95 %RH                                                                   |                  |
|               | Operating Altitude         | 5,000 m                                                                    |                  |
| Others        | Dimension (W x L x H)      | 129 x 254 x 41.5 mm (5 x 10 x 1.63 inch)                                   |                  |
|               | Mean Time Between Failures | $\geq 100,000$ hours @230Vac/50Hz, 25°C                                    |                  |
|               | Certifications             | CB, UL/cUL, UKCA                                                           |                  |

\*Specifications are subject to change without notice

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## APPLICATION

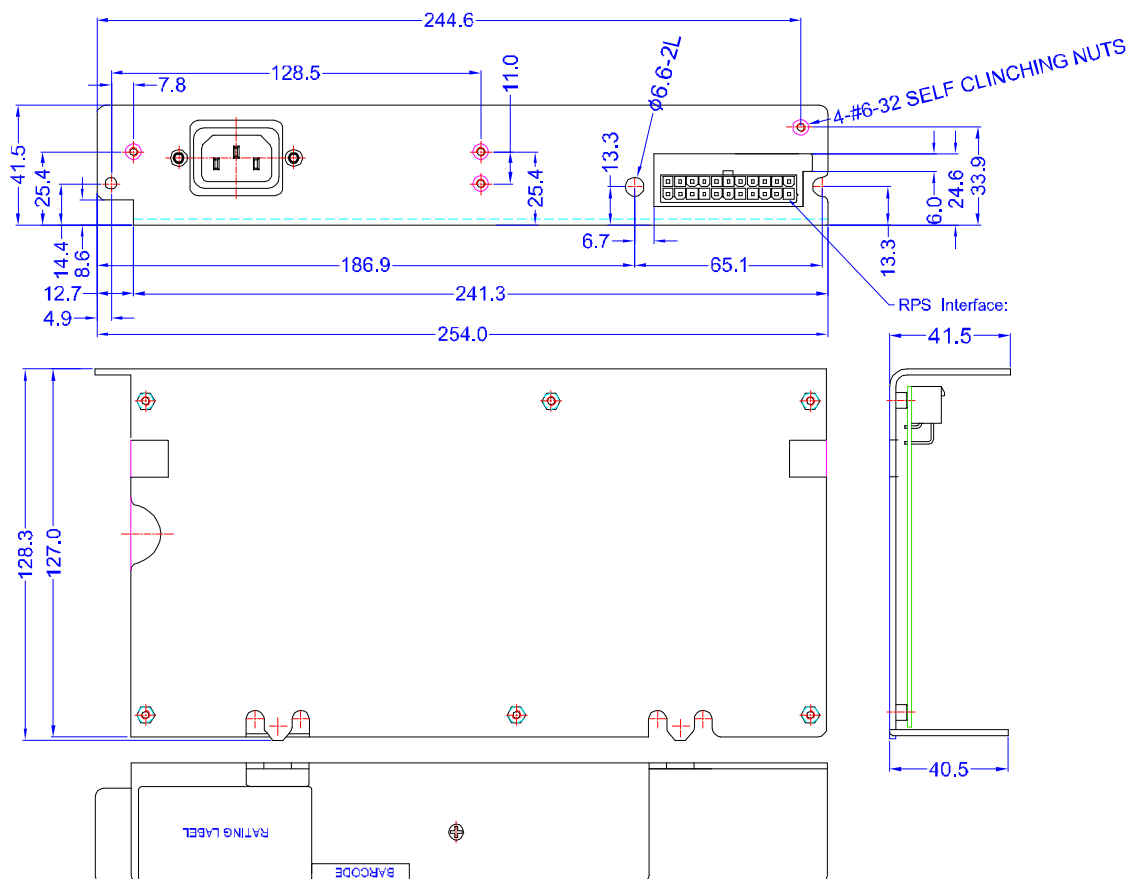
- PoE Switch
- IP-PBX
- Industrial



- IP-PBX



## MECHANICAL SPECIFICATION



Unit: mm

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