

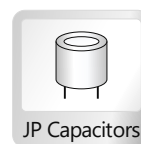


>>> Developing



### KEY FEATURES

- Digital power management (PMbus, Black Box, FRU)
- High efficiency up to 94%
- Meets 80Plus platinum compliance
- N+1 redundancy design with current sharing
- Cold redundancy support
- Intelligent-thermal fan control & Super low noise
- Japanese capacitors improve PSU reliability



### SPECIFICATION

| Model Name    |                            | TG17-1600-01                                          |                      | TG17-1600-02       |
|---------------|----------------------------|-------------------------------------------------------|----------------------|--------------------|
| Output        | Rated Power                | 1600 W                                                |                      |                    |
|               | Output Voltage             | 12 Vsb                                                | 12 Vdc               | 54 Vdc             |
|               | Maximum Output Current     | 2.1 A                                                 | 133 A                | 29.6 A             |
|               | Over Current Limit         | $\leq 3\sim 5$ A                                      | $\leq 153\sim 166$ A | $\leq 34\sim 37$ A |
|               | Minimum Output Current     | 0.1 A                                                 | 1 A                  | 0 A                |
|               | Ripple & Noise             | $\leq 1\%$                                            |                      |                    |
|               | Hold Up Time               | $\geq 10$ ms @70% Load                                |                      |                    |
| Input         | Input Voltage              | 90~264 Vac                                            |                      |                    |
|               | Input Frequency            | 47~63 Hz                                              |                      |                    |
|               | Power Factor               | $\geq 0.99$ @100% Load                                |                      |                    |
|               | Efficiency                 | $\geq 94\%$ @50% Load, 230Vac ; Meets 80Plus Platinum |                      |                    |
|               | Inrush Current             | $\leq 55$ A @264Vac, 25°C                             |                      |                    |
| EMC           | Surge                      | 2KV (L/N-G), 1KV (L-N)                                |                      |                    |
|               | EMI                        | EN55032, FCC Part 15                                  |                      |                    |
|               | ESD                        | IEC61000-4-2                                          |                      |                    |
| Environmental | Operating Temperature      | 0~+50 °C                                              |                      |                    |
|               | Storage Temperature        | -40~+70 °C                                            |                      |                    |
|               | Operating Humidity         | 5~80 %RH                                              |                      |                    |
|               | Storage Humidity           | 5~95 %RH                                              |                      |                    |
|               | Operating Altitude         | 5,000 m                                               |                      |                    |
| Others        | Dimension (W x L x H)      | 73.5 x 185 x 40 mm (2.89 x 7.28 x 1.57 inch) ; 1U     |                      |                    |
|               | Mean Time Between Failures | $\geq 100,000$ hours @80% Load, 40°C                  |                      |                    |
|               | Certifications             | Meets CB, TÜV, UL/cUL                                 |                      |                    |

\*Specifications are subject to change without notice

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## APPLICATION

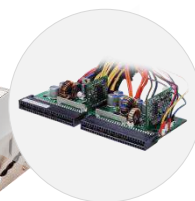
- Server



**TG17-1600-01**  
CRPS 1U Power Supply

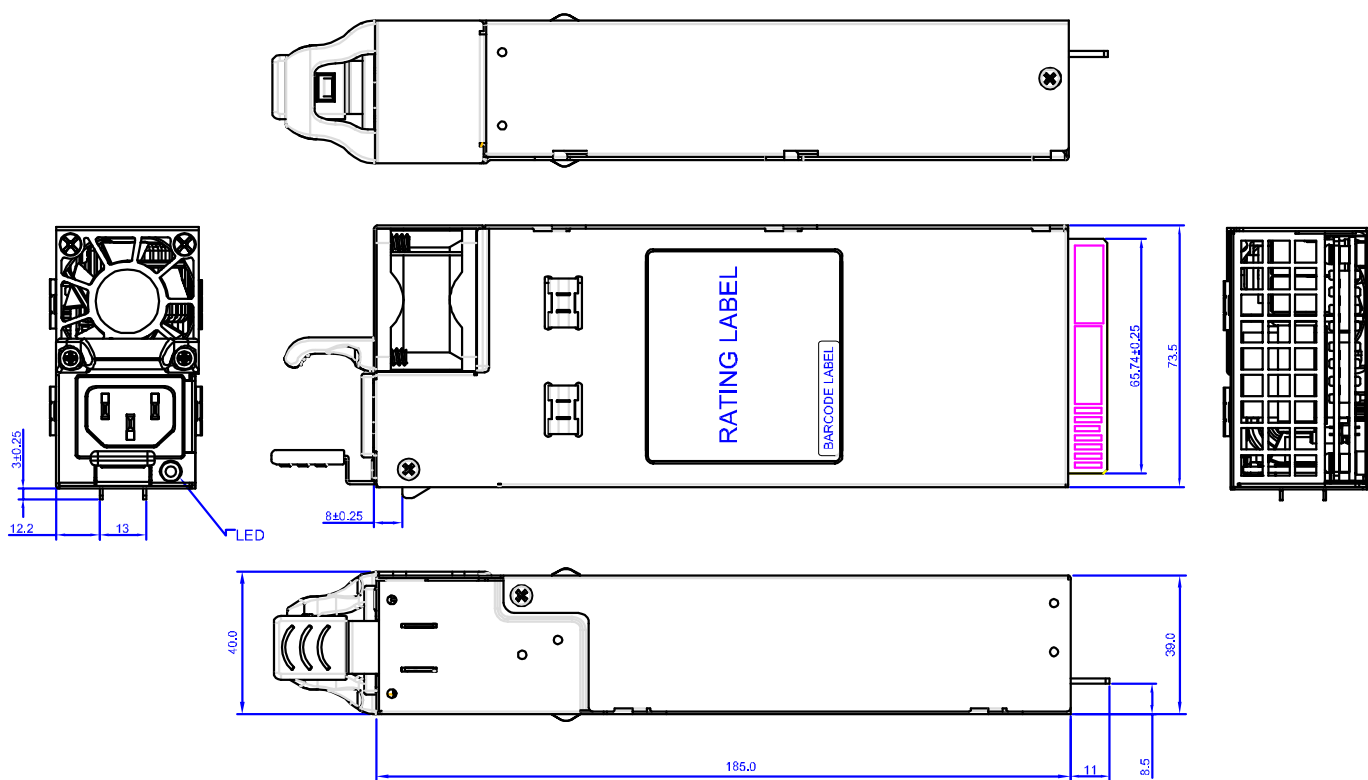


**TC17-1600-01**  
Redundancy Power Supply



**TD17-0138-02**  
DC-DC Power Supply

## MECHANICAL SPECIFICATION



Unit: mm

**LEAD YEAR ENTERPRISE CO., LTD.**

2F No.618 RuiGuang Road, NeiHu District, Taipei, Taiwan 11492

Tel: +886-2-2657-2191

Fax: +886-2-2657-8798

Email: sales@tigerpower.com

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[www.tigerpower.com](http://www.tigerpower.com)

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