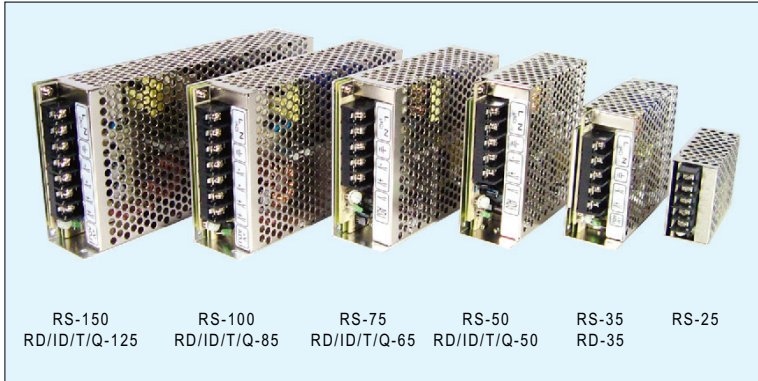


# G3 Series

25~150W High Reliability Miniature 1~4 Output



## Features

- All using 105°C long life electrolytic capacitors
- Protections: Short circuit / OLP / OVP
- Meet EMS EN50082-2/EN61000-6-2 heavy industry level (35~150W)
- Withstand 300VAC surge input for 5 seconds
- High operating temperature up to 70°C
- Withstand 5G vibration test
- Miniature size, high power density
- High efficiency, long life and high reliability
- 100% full load burn-in test
- Suitable for critical applications
- 3 years warranty

## General Specification (Please refer to [www.meanwell.com](http://www.meanwell.com) for detail spec.)



| MODEL No.                       | RS-25   | RS-35<br>RD-35  | RS-50<br>RD / ID / T / Q-50 | RS-75<br>RD / ID / T / Q-65 | RS-100<br>RD / ID / T / Q-85 | RS-150<br>RD / ID / T / Q-125 |
|---------------------------------|---|---|-----------------------------|-----------------------------|------------------------------|-------------------------------|
| <b>AC input voltage range</b>   | 88~264VAC universal input   |   |                             |                             |                              | 115/230VAC by switch          |
| <b>AC inrush current (max.)</b> | Cold start, 40A at 230VAC   |   |                             |                             |                              | 50A at 230VAC                 |
| <b>DC adjustment range</b>      | ±10% by potential meter for single output; CH1 -5%~+10% by potential meter for multiple output        |   |                             |                             |                              |                               |
| <b>Overload protection</b>      | 110%~180%   | 110%~150% hiccup mode, auto-recovery (150% ~190% for RID-125-1205/2405) |                             |                             |                              |                               |
| <b>Over voltage protection</b>  | 115%~135% rated output voltage, hiccup mode, auto-recovery  |   |                             |                             |                              |                               |
| <b>Withstand voltage</b>        | I/P - O/P: 3KVAC, I/P - FG: 1.5KVAC, O/P - FG: 0.5KVAC, 1 minute                                      |   |                             |                             |                              |                               |
| <b>Working temperature</b>      | -20 ~ +70°C (refer to the derating curve for different models)  |   |                             |                             |                              |                               |
| <b>Vibration</b>                | 10~500Hz, 5G 10min/1 cycle, period for 60 min each along X, Y, Z axes                                 |   |                             |                             |                              |                               |
| <b>Safety standards</b>         | UL60950-1, TUV EN60950-1 approved   |   |                             |                             |                              |                               |
| <b>EMC standards</b>            | EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204, EN61000-6-2 (EN50082-2) (35~150W) |   |                             |                             |                              |                               |
| <b>Connection</b>               | Terminal block for input and output   |   |                             |                             |                              |                               |
| <b>Dimension (L*W*H)(mm)</b>    | 79x51x28  | 99x82x35  | 99x97x36                    | 129x98x38                   | 159x97x38                    | 199x98x38                     |
| <b>Case No.</b>                 | 931   | 932   | 905                         | 903                         | 901                          | 902                           |
| <b>Packing</b>                  | 60pcs/13kg  | 45pcs/14.0kg  | 45pcs/19.5kg                | 30pcs/14.2kg                | 24pcs/15.4kg                 | 20pcs/15.4kg                  |

## 25W — Single Output

| Stock No. | Model No. | Output       | Tol. | R&N   | Effi. |
|-----------|-----------|--------------|------|-------|-------|
| 10731     | RS-25-3.3 | 3.3V, 0~6A   | ±3%  | 80mV  | 72%   |
| 10732     | RS-25-5   | 5V, 0~5A     | ±2%  | 80mV  | 77%   |
| 10733     | RS-25-12  | 12V, 0~2.1A  | ±1%  | 120mV | 79%   |
| 10734     | RS-25-15  | 15V, 0~1.7A  | ±1%  | 120mV | 82%   |
| 10735     | RS-25-24  | 24V, 0~1.1A  | ±1%  | 120mV | 84%   |
| 10736     | RS-25-48  | 48V, 0~0.57A | ±1%  | 200mV | 85%   |

## 75W — Single Output

| Stock No. | Model No. | Output      | Tol. | R&N   | Effi. |
|-----------|-----------|-------------|------|-------|-------|
| 10761     | RS-75-3.3 | 3.3V, 0~15A | ±3%  | 80mV  | 71%   |
| 10762     | RS-75-5   | 5V, 0~12A   | ±2%  | 80mV  | 76%   |
| 10763     | RS-75-12  | 12V, 0~6A   | ±1%  | 120mV | 81%   |
| 10764     | RS-75-15  | 15V, 0~5A   | ±1%  | 120mV | 82%   |
| 10765     | RS-75-24  | 24V, 0~3.2A | ±1%  | 120mV | 85%   |
| 10766     | RS-75-48  | 48V, 0~1.6A | ±1%  | 200mV | 86%   |

## 35W — Single Output

| Stock No. | Model No. | Output      | Tol. | R&N   | Effi. |
|-----------|-----------|-------------|------|-------|-------|
| 10741     | RS-35-3.3 | 3.3V, 0~7A  | ±3%  | 80mV  | 73%   |
| 10742     | RS-35-5   | 5V, 0~7A    | ±2%  | 80mV  | 77%   |
| 10743     | RS-35-12  | 12V, 0~3A   | ±1%  | 120mV | 81%   |
| 10744     | RS-35-15  | 15V, 0~2.4A | ±1%  | 120mV | 83%   |
| 10745     | RS-35-24  | 24V, 0~1.5A | ±1%  | 120mV | 84%   |
| 10746     | RS-35-48  | 48V, 0~0.8A | ±1%  | 200mV | 84%   |

## 100W — Single Output

| Stock No. | Model No.  | Output      | Tol. | R&N   | Effi. |
|-----------|------------|-------------|------|-------|-------|
| 10771     | RS-100-3.3 | 3.3V, 0~20A | ±3%  | 80mV  | 74%   |
| 10772     | RS-100-5   | 5V, 0~16A   | ±2%  | 80mV  | 77%   |
| 10773     | RS-100-12  | 12V, 0~8.5A | ±1%  | 120mV | 81%   |
| 10774     | RS-100-15  | 15V, 0~7.0A | ±1%  | 120mV | 82%   |
| 10775     | RS-100-24  | 24V, 0~4.5A | ±1%  | 120mV | 84%   |
| 10776     | RS-100-48  | 48V, 0~2.3A | ±1%  | 200mV | 84%   |

## 50W — Single Output

| Stock No. | Model No. | Output      | Tol. | R&N   | Effi. |
|-----------|-----------|-------------|------|-------|-------|
| 10751     | RS-50-3.3 | 3.3V, 0~10A | ±3%  | 80mV  | 72%   |
| 10752     | RS-50-5   | 5V, 0~10A   | ±2%  | 80mV  | 78%   |
| 10753     | RS-50-12  | 12V, 0~4.2A | ±1%  | 120mV | 81%   |
| 10754     | RS-50-15  | 15V, 0~3.4A | ±1%  | 120mV | 83%   |
| 10755     | RS-50-24  | 24V, 0~2.2A | ±1%  | 120mV | 84%   |
| 10756     | RS-50-48  | 48V, 0~1.1A | ±1%  | 200mV | 86%   |

## 150W — Single Output

| Stock No. | Model No.  | Output       | Tol. | R&N   | Effi. |
|-----------|------------|--------------|------|-------|-------|
| 10781     | RS-150-3.3 | 3.3V, 0~30A  | ±3%  | 80mV  | 74%   |
| 10782     | RS-150-5   | 5V, 0~26A    | ±2%  | 80mV  | 78%   |
| 10783     | RS-150-12  | 12V, 0~12.5A | ±1%  | 120mV | 83%   |
| 10784     | RS-150-15  | 15V, 0~10A   | ±1%  | 120mV | 84%   |
| 10785     | RS-150-24  | 24V, 0~6.5A  | ±1%  | 120mV | 86%   |
| 10786     | RS-150-48  | 48V, 0~3.3A  | ±1%  | 200mV | 87%   |

# G3 Series



## 35W — Dual Output

| Stock No. | Model No. | Output           | Tol. | R&N   | Effi. | Max. |
|-----------|-----------|------------------|------|-------|-------|------|
| 10791     | RD-35A    | 5V, 0.3~4.0A     | ±2%  | 80mV  | 79%   | 32W  |
|           |           | 12V, 0.2~1.0A    | ±6%  | 120mV |       |      |
| 10792     | RD-35B    | 5V, 0.3~4.0A     | ±2%  | 80mV  | 82%   | 35W  |
|           |           | 24V, 0.2~1.3A    | ±5%  | 120mV |       |      |
| 10793     | RD-3513   | 13.5V, 0.3~2.0A  | ±4%  | 120mV | 80%   | 35W  |
|           |           | -13.5V, 0.2~1.5A | ±4%  | 120mV |       |      |

## 50W — Dual Output (Output isolated for RID-50A/B)

| Stock No. | Model No. | Output      | Tol.     | R&N   | Effi. | Max. |
|-----------|-----------|-------------|----------|-------|-------|------|
| 10801     | RD-50A    | 5V, 0.3~6A  | ±2%      | 80mV  | 79%   | 54W  |
|           |           | 12V, 0.3~3A | ±7%      | 120mV |       |      |
| 10802     | RD-50B    | 5V, 0.3~6A  | ±2%      | 80mV  | 80%   | 54W  |
|           |           | 24V, 0.2~2A | +8%, -4% | 150mV |       |      |

## 65W — Dual Output (Output isolated for RID-65A/B)

| Stock No. | Model No. | Output      | Tol.     | R&N   | Effi. | Max. |
|-----------|-----------|-------------|----------|-------|-------|------|
| 10811     | RD-65A    | 5V, 0.3~8A  | ±2%      | 80mV  | 79%   | 66W  |
|           |           | 12V, 0.2~4A | ±6%      | 120mV |       |      |
| 10812     | RD-65B    | 5V, 0.3~8A  | ±2%      | 80mV  | 78%   | 68W  |
|           |           | 24V, 0.2~3A | +4%, -6% | 150mV |       |      |

## 85W — Dual Output (Output isolated for RID-85A/B)

| Stock No. | Model No. | Output        | Tol. | R&N   | Effi. | Max. |
|-----------|-----------|---------------|------|-------|-------|------|
| 10821     | RD-85A    | 5V, 2.0~10A   | ±2%  | 80mV  | 78%   | 88W  |
|           |           | 12V, 0.3~5.0A | ±5%  | 120mV |       |      |
| 10822     | RD-85B    | 5V, 2.0~10A   | ±2%  | 80mV  | 80%   | 88W  |
|           |           | 24V, 0.3~2.5A | ±5%  | 120mV |       |      |

## 125W — Dual Output

| Stock No. | Model No. | Output        | Tol. | R&N   | Effi. | Max. |
|-----------|-----------|---------------|------|-------|-------|------|
| 10831     | RD-125A   | 5V, 2.0~15A   | ±5%  | 80mV  | 82%   | 131W |
|           |           | 12V, 0.5~10A  | ±7%  | 120mV |       |      |
| 10832     | RD-125B   | 5V, 2.0~10A   | ±5%  | 80mV  | 85%   | 133W |
|           |           | 24V, 0.4~5.0A | ±7%  | 120mV |       |      |

## 125W — Dual Output (Output isolated for RID-125)

| Stock No.        | Model No.    | Output        | Tol.     | R&N   | Effi. | Max. |
|------------------|--------------|---------------|----------|-------|-------|------|
| 10833            | RD-125-1224  | 12V, 1.0~7.0A | ±2%      | 120mV | 85%   | 133W |
|                  |              | 24V, 0.4~5.0A | +8%, -5% | 200mV |       |      |
| *10834           | RD-125-2412  | 24V, 0.5~5.0A | ±2%      | 200mV | 85%   | 133W |
|                  |              | 12V, 1.0~7.0A | ±10%     | 120mV |       |      |
| 10835            | RD-125-1248  | 12V, 1.0~7.0A | ±2%      | 120mV | 85%   | 138W |
|                  |              | 48V, 0.2~2.5A | +8%, -5% | 240mV |       |      |
| *10836           | RD-125-4812  | 48V, 0.3~2.5A | ±2%      | 240mV | 85%   | 138W |
|                  |              | 12V, 1.0~7.0A | ±10%     | 120mV |       |      |
| 10837            | RD-125-2448  | 24V, 0.5~4.0A | ±1%      | 200mV | 86%   | 144W |
|                  |              | 48V, 0.2~2.5A | ±4%      | 240mV |       |      |
| *10838           | RD-125-4824  | 48V, 0.3~2.5A | ±1%      | 240mV | 86%   | 144W |
|                  |              | 24V, 0.5~4.0A | ±8%      | 240mV |       |      |
| <b>NEW</b> 10994 | RID-125-1205 | 12V, 2~10.5A  | ±2%      | 120mV | 78%   | 125W |
|                  |              | 5V, 0~3A      | ±3%      | 80mV  |       |      |
| <b>NEW</b> 10995 | RID-125-2405 | 24V, 2~5.3A   | ±2%      | 120mV | 81%   | 125W |
|                  |              | 5V, 0~3A      | ±3%      | 80mV  |       |      |

\*Modified models

## 50W — Quad Output (RT-50 without -5V or -12V output)

| Stock No. | Model No. | Output         | Tol.     | R&N   | Effi. | Max. |
|-----------|-----------|----------------|----------|-------|-------|------|
| 10881     | RQ-50B    | 5V, 0.5~6.0A   | ±2%      | 80mV  | 74%   | 46W  |
|           |           | 12V, 0.2~1.5A  | ±6%      | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±2%      | 100mV |       |      |
| 10882     | RQ-50C    | -12V, 0.0~1.0A | ±2%      | 80mV  |       |      |
|           |           | 5V, 0.5~6A     | ±2%      | 80mV  | 75%   | 50W  |
|           |           | 15V, 0.2~1.5A  | ±6%      | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±2%      | 100mV |       |      |
|           |           | -15V, 0.0~1.0A | ±2%      | 80mV  |       |      |
| 10883     | RQ-50D    | 5V, 0.5~6.0A   | ±2%      | 80mV  | 79%   | 53W  |
|           |           | 12V, 0.2~1.5A  | ±6%      | 120mV |       |      |
|           |           | 24V, 0.1~1.0A  | +7%, -5% | 180mV |       |      |
|           |           | -12V, 0.0~1.0A | ±2%      | 80mV  |       |      |
|           |           |                |          |       |       |      |

## 65W — Quad Output (RT-65 without -5V or -12V output)

| Stock No. | Model No. | Output         | Tol.     | R&N   | Effi. | Max. |
|-----------|-----------|----------------|----------|-------|-------|------|
| 10891     | RQ-65B    | 5V, 0.5~8.0A   | ±2%      | 80mV  | 76%   | 63W  |
|           |           | 12V, 0.2~3.0A  | +7%, -5% | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±5%      | 80mV  |       |      |
|           |           | -12V, 0.0~1.0A | ±5%      | 80mV  |       |      |
| 10892     | RQ-65C    | 5V, 0.5~8.0A   | ±2%      | 80mV  | 76%   | 65W  |
|           |           | 15V, 0.2~3.0A  | +8%, -4% | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±5%      | 80mV  |       |      |
|           |           | -15V, 0.0~1.0A | ±5%      | 80mV  |       |      |
| 10893     | RQ-65D    | 5V, 0.5~8.0A   | ±2%      | 80mV  | 78%   | 68W  |
|           |           | 12V, 0.2~3.0A  | ±6%      | 120mV |       |      |
|           |           | 24V, 0.1~1.5A  | ±8%      | 180mV |       |      |
|           |           | -12V, 0.0~1.0A | ±5%      | 80mV  |       |      |

## 85W — Quad Output (RT-85 without -5V or -12V output)

| Stock No. | Model No. | Output         | Tol.     | R&N   | Effi. | Max. |
|-----------|-----------|----------------|----------|-------|-------|------|
| 10901     | RQ-85B    | 5V, 2.0~10A    | ±2%      | 80mV  | 76%   | 81W  |
|           |           | 12V, 0.3~4.0A  | +7%, -3% | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±8%      | 100mV |       |      |
|           |           | -12V, 0.0~1.0A | ±5%      | 80mV  |       |      |
| 10902     | RQ-85C    | 5V, 2.0~10A    | ±2%      | 80mV  | 77%   | 83W  |
|           |           | 15V, 0.3~4.0A  | +3%, -7% | 120mV |       |      |
|           |           | -5V, 0.0~1.0A  | ±8%      | 100mV |       |      |
|           |           | -15V, 0.0~1.0A | ±5%      | 80mV  |       |      |
| 10903     | RQ-85D    | 5V, 2.0~10A    | ±2%      | 80mV  | 78%   | 84W  |
|           |           | 12V, 0.3~4.0A  | +7%, -3% | 120mV |       |      |
|           |           | 24V, 0.1~1.5A  | ±8%      | 150mV |       |      |
|           |           | -12V, 0.0~1.0A | ±5%      | 80mV  |       |      |

## 125W — Quad Output (RT-125 without -5V or -12V output)

| Stock No. | Model No. | Output         | Tol.      | R&N   | Effi. | Max. |
|-----------|-----------|----------------|-----------|-------|-------|------|
| 10911     | RQ-125B   | 5V, 2.0~12A    | ±2%       | 80mV  | 79%   | 120W |
|           |           | 12V, 0.5~4.5A  | +8%, -3%  | 120mV |       |      |
|           |           | -5V, 0.1~1.0A  | +6%, -10% | 80mV  |       |      |
|           |           | -12V, 0.0~1.0A | ±5%       | 80mV  |       |      |
| 10912     | RQ-125C   | 5V, 2.0~12A    | ±2%       | 80mV  | 80%   | 123W |
|           |           | 15V, 0.5~4.0A  | +8%, -3%  | 120mV |       |      |
|           |           | -5V, 0.1~1.0A  | +6%, -10% | 80mV  |       |      |
|           |           | -15V, 0.0~1.0A | ±5%       | 80mV  |       |      |
| 10913     | RQ-125D   | 5V, 2.0~12A    | ±2%       | 80mV  | 82%   | 124W |
|           |           | 12V, 0.5~4.0A  | +8%, -3%  | 120mV |       |      |
|           |           | 24V, 0.1~2.5A  | ±8%       | 150mV |       |      |
|           |           | -12V, 0.0~1.0A | ±5%       | 80mV  |       |      |