

# 200W LED POWER SUPPLY SINGLE OUTPUT



Dimension  
L: 200 mm  
W:110 mm  
H:50mm

Weight: 0.49Kg



## ■Applications

- Industrial controlsystem
- Industrial automation machinery
- Mechanical and electrical equiprment
- Electronic instruments, equiprments or apparatus
- LED Lighting Series

## ■Features

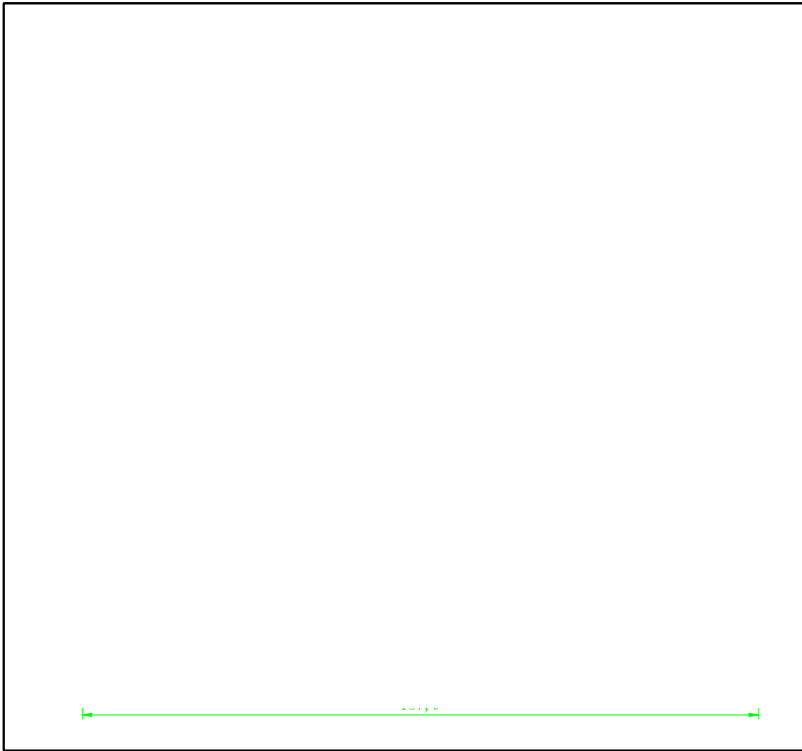
- International broad voltage AC input
- Protection: short-circuit, overload,overheat
- 100% full-load aged
- 300VAC surge for 5 seconds withstandable
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency, long life span, and high reliability
- 2 years warranty

[support@starwell.cc](mailto:support@starwell.cc)

## Specifications

| Product No.                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NW-200-12                                          | NW-200-15  | NW-200-24 | NW-200-48 |  |  |  |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------|-----------|-----------|--|--|--|
| Output                     | DC voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12V                                                | 15V        | 24V       | 48V       |  |  |  |
|                            | Rated Current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 16.5A                                              | 13.3A      | 8.3A      | 4.2A      |  |  |  |
|                            | Current Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0-16.5A                                            | 0-1.3A     | 0-8.3A    | 0-4.2A    |  |  |  |
|                            | Rated Power                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 200W                                               | 200W       | 200W      | 200W      |  |  |  |
|                            | Ripple and Noise(Max)Note.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 150mVp-p                                           | 180mVp-p   | 240mVp-p  | 250mVp-p  |  |  |  |
|                            | Voltage adjustment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10.8-13.2V                                         | 13.5-16.5V | 22-27.6V  | 44-52V    |  |  |  |
|                            | Voltage Accuracy Note3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ±1%                                                | ±1%        | ±1%       | ±1%       |  |  |  |
|                            | Linear Adjustment Note4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ±0.5%                                              | ±0.5%      | ±0.5%     | ±0.5%     |  |  |  |
|                            | Load Adjustment Note5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ±0.5%                                              | ±0.5%      | ±0.5%     | ±0.5%     |  |  |  |
|                            | Start and rise time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1000ms,30ms/230VAC 1000ms,30ms/110V                |            |           |           |  |  |  |
| Hold time (Typ)            | 50ms/230VAC 10ms/115AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |            |           |           |  |  |  |
| Input                      | Voltage range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AC 110V±15%/AC 220±15% changed by switch           |            |           |           |  |  |  |
|                            | Frequency range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50HZ/60HZ                                          |            |           |           |  |  |  |
|                            | Efficiency (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80%                                                | 81%        | 82%       | 85%       |  |  |  |
|                            | AC current (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.17A/110V 1.9A/220V                               |            |           |           |  |  |  |
|                            | Surge current (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Cold Start: 65A/230VAC                             |            |           |           |  |  |  |
|                            | Current leak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <2mA/240VAC                                        |            |           |           |  |  |  |
| Protection                 | Overload                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Larger than 105% of capacity                       |            |           |           |  |  |  |
|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | restoration after abnormity removed                |            |           |           |  |  |  |
| Environment                | Working temp.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -20~+60℃ (Refer to the tenuation curve)            |            |           |           |  |  |  |
|                            | Working humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 20~90% RH, without condense                        |            |           |           |  |  |  |
|                            | Storage temp & hmdty                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -40~+80℃                                           |            |           |           |  |  |  |
|                            | Temp. coefficient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ±0.03%/℃ (0~50℃)                                   |            |           |           |  |  |  |
|                            | Vibration proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each  |            |           |           |  |  |  |
| Safety reg. & EMC (Note.6) | Safety regulation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)        |            |           |           |  |  |  |
|                            | Voltage proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC        |            |           |           |  |  |  |
|                            | insulation resistance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH |            |           |           |  |  |  |
|                            | EMC irradiation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | EN 55032:2015+A11:2020;EN55035:2017+A11:2020       |            |           |           |  |  |  |
|                            | EMC disturbance proof                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019   |            |           |           |  |  |  |
|                            | Dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 200*110*50mm(L*W*H)                                |            |           |           |  |  |  |
|                            | Packing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 0.49kg/PCS;24PCS/18.2kg                            |            |           |           |  |  |  |
| Notes:                     | 1. Unless specially indicated, all data are taken under 230VAC input, rated load and 25℃ environment temp.<br>2. Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor on 20MHz bandwidth.<br>3. Accuracy: including preset errors, linear adjustment rate and load adjustment rate.<br>4. Linear adjustment: taken under rated load from low voltage to high voltage.<br>5. Load adjustment: taken under 0~100% of rated load.<br>6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC. |                                                    |            |           |           |  |  |  |

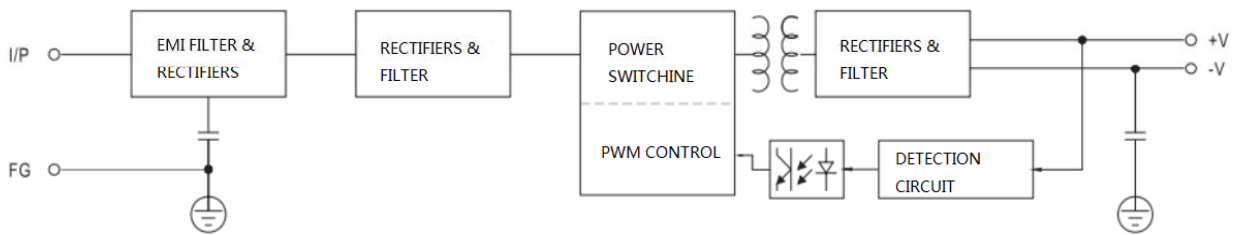
## ■ Appearance



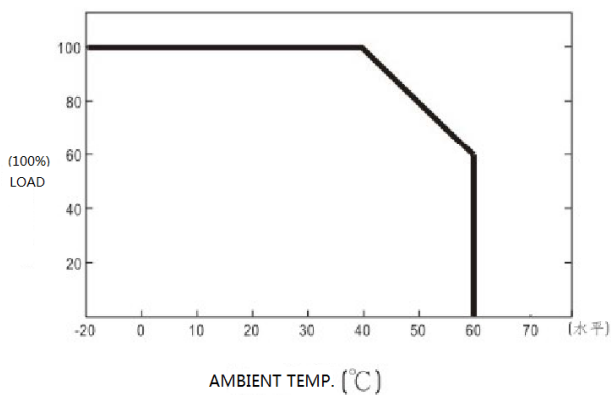
### Terminal foot definition

| Foot No. | Foot function |
|----------|---------------|
| 1        | OUTPUT+       |
| 2        | OUTPUT+       |
| 3        | OUTPUT-       |
| 4        | OUTPUT-       |
| 5        | FG            |
| 6        | AC/N          |
| 7        | AC/L          |

## ■ Frame diagram



## ■ Tenuation curve



## ■ Static property curve

