



### Features:

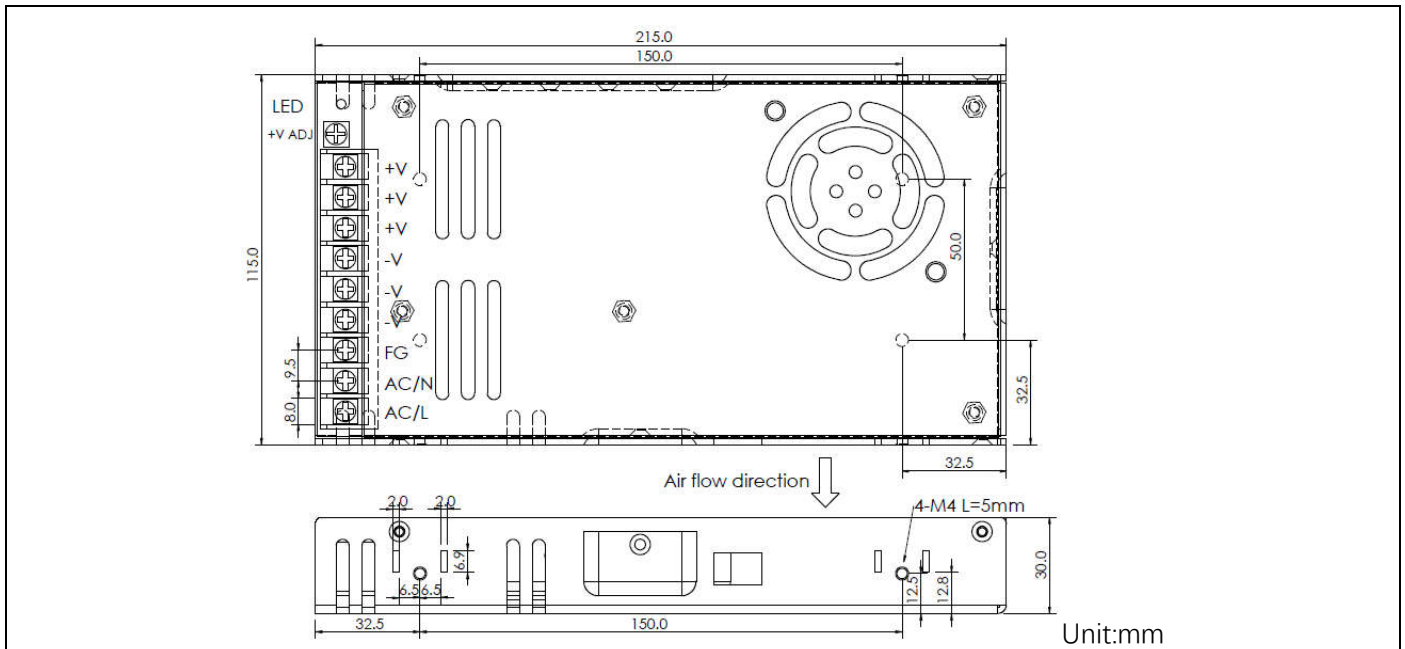
- AC input range selectable by switch
  - Protections: Short circuit / Overload / Over voltage / Over temperature
  - Built-in cooling Fan ON-OFF control
  - Withstand 300VAC surge input for 5 second
  - Forced air cooling by built-in DC fan
  - 100% full load burn-in test
  - LED indicator for power on
  - Fixed switch frequency 90KHz
  - Low cost, high reliability
  - 3 years warranty
- 15V 27V,36V output voltage are also available

### Specification

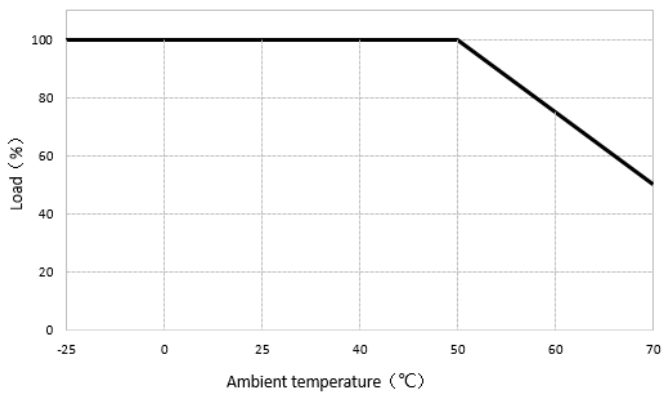
CQC

| MODEL              |  | WS-L350-5   | WS-L350-12              | WS-L350-24         | WS-L350-48 | WS-L350-7.5 |
|--------------------|--|---|-------------------------|--------------------|------------|-------------|
| OUTPUT             | DC VOLTAGE   | 5V  | 12V                     | 24V                | 48V        | 7.5V        |
|                    | RATED CURRENT  | 60A   | 29A                     | 14.6A              | 7.3A       | 46A         |
|                    | CURRENT RANGE  | 0~60A   | 0~29A                   | 0~14.6A            | 0~7.3A     | 0~46A       |
|                    | RATED POWER  | 300W  | 348W                    | 350.4W             | 350.4W     | 345W        |
|                    | RIPPLE&NOISE (max.)  | 150mVp-p  | 150mVp-p                | 150mVp-p           | 200mVp-p   | 150mVp-p    |
|                    | VOLTAGE ADJ.RANGE  | 4.5~5.5V  | 10.2~13.8V              | 21.6~28.8V         | 43.2~52.8V | 6~9V        |
|                    | VOLTAGE TOLERANCE  | ±3.0%   | ±1.5%                   | ±1.0%              | ±1.0%      | ±2.0%       |
|                    | LINE REGULATION Note4  | ±0.5%   | ±0.5%                   | ±0.5%              | ±0.5%      | ±0.5%       |
|                    | LOAD REGULATION Note5  | ±2%   | ±1.0%                   | ±0.5%              | ±0.5%      | ±2%         |
|                    | SETUP, RISE TIME   | 1500ms,50ms/230Vac  |                         | 1500ms,50ms/115Vac |            |             |
| HOLD UP TIME(Typ.) | 16ms/230Vac  | 12ms/115Vac   |                         |                    |            |             |
| INPUT              | VOLTAGE RANGE  | 90~132Vac/180~264Vac(by switch) 240~370Vdc(Switch on 230Vac)  |                         |                    |            |             |
|                    | FREQUENCY RANGE  | 47~63Hz   |                         |                    |            |             |
|                    | EFFICIENCY(Typ.)   | 83.5%   | 85.5%                   | 87.5%              | 89.5%      | 84%         |
|                    | AC CURRENT(Typ.)   | 6.8A/115Vac   | 3.4A/230Vac             |                    |            |             |
|                    | INRUSH CURRENT(Typ.)   | 60A/115Vac  | 60A/230Vac (cold start) |                    |            |             |
|                    | LEAKAGE CURRENT  | <2mA/240Vac   |                         |                    |            |             |
| PROTECTION         | OVER LOAD  | 110%~140% rated output power<br>Protection type: Constant current limiting>3s, then hiccup, recovers automatically after fault condition is removed |                         |                    |            |             |
|                    | OVER VOLTAGE   | 5.75~6.75V  | 13.8~16.2V              | 28.8~33.6V         | 55.2~64.8V | 9.4~11.3V   |
|                    | OVER TEMPERATURE   | Protection type: Hiccup mode, recovers automatically after fault condition is removed   |                         |                    |            |             |
| FUNCTION           | FAN ON/OFF   | RTH2≥50°C FAN ON, ≤40°C FAN OFF   |                         |                    |            |             |
| ENVIRONMENT        | WORKING TEMP.,   | -25~+70°C (Refer to "Derating curve"), 20~90%RH non-condensing  |                         |                    |            |             |
|                    | STORAGE TEMP.,   | -20~+85°C, 10~95%RH   |                         |                    |            |             |
|                    | TEMP. COEFFICIENT  | ±0.03%/°C (0~50°C)  |                         |                    |            |             |
|                    | VIBRATION  | 10~500Hz, 5G 10min./1 cycle, each along X、Y、Z axes  |                         |                    |            |             |
| SAFETY             | SAFETY STANDARDS   | GB4943.1-2011   |                         |                    |            |             |
|                    | WITHSTAND VOLTAGE  | I/P-O/P:3KVac I/P-FG:2KVac O/P-FG:0.5KVac   |                         |                    |            |             |
|                    | ISOLATION RESISTANCE   | I/P-O/P, I/P-FG, O/P-FG:100MΩ/500Vdc/25°C/70%RH   |                         |                    |            |             |
|                    | EMI  | EN55032:2015, Class A   |                         |                    |            |             |
|                    | EMS  | EN61000-3-3:2013, EN55035:2017, EN55024:2010+A1:2015  |                         |                    |            |             |
| OTHERS             | MTBF   | ≥300Khrs MIL-HDBK-217F(25°C)  |                         |                    |            |             |
|                    | DIMENSION  | 215*115*30mm(L*W*H)   |                         |                    |            |             |
|                    | PACKING  | 0.75Kg; 15pcs/12.25Kg/0.78CUFT  |                         |                    |            |             |
| NOTE               | <ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF &amp; 47uF parallel capacitor.</li> <li>3. Tolerance: includes set up tolerance, line regulation and load regulation</li> <li>4. Line regulation is measured from low line and high line at rated load.</li> <li>5. Load regulation is measured from 0% to 100% rated load.</li> </ol> |   |                         |                    |            |             |

**Mechanical specification**



**Derating curve**



**Static characteristics**

