



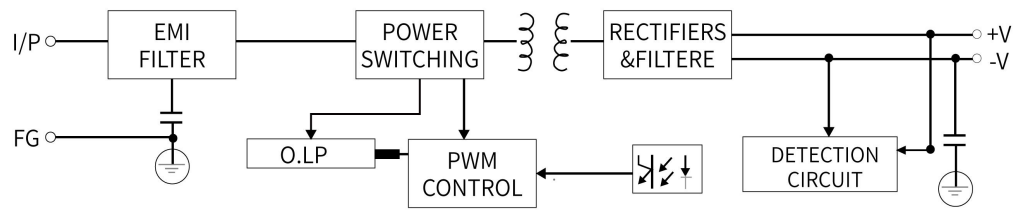
## ■ Features:

- 170-240V AC input
- Single Output
- 90% high efficiency
- 100% full load bur-in test
- Protection: OTP,OLP,OVP,SCP
- CE FCC Certified
- 3 year warranty

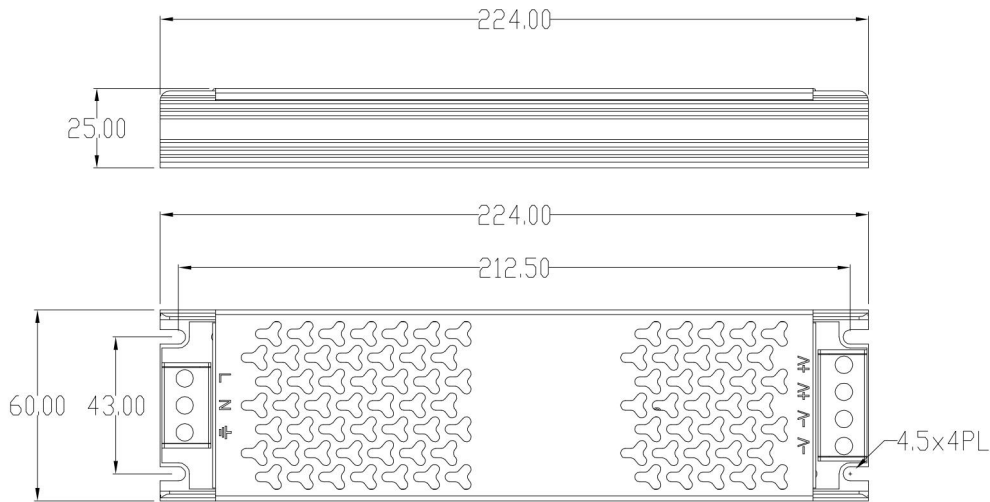
## Specifications

| Product Code |                                                                                                                                                                                                                                                                                                                        | N-250-12                                                                 | N-250-24  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------|
| Output       | DC Voltage                                                                                                                                                                                                                                                                                                             | 12V                                                                      | 24V       |
|              | Rated Current                                                                                                                                                                                                                                                                                                          | 20,8A                                                                    | 10,4A     |
|              | Current Range                                                                                                                                                                                                                                                                                                          | 0~20,8A                                                                  | 0~10,4A   |
|              | Voltage tolerance                                                                                                                                                                                                                                                                                                      | ±5%                                                                      | ±5%       |
|              | Rated Power                                                                                                                                                                                                                                                                                                            | 250W                                                                     | 250W      |
|              | Ripple & Noise                                                                                                                                                                                                                                                                                                         | <120mVp-p                                                                | <240mVp-p |
|              | Start up time                                                                                                                                                                                                                                                                                                          | <1500ms, 30ms / 230VAC                                                   |           |
| Input        | Input voltage range                                                                                                                                                                                                                                                                                                    | 170-240 VAC                                                              |           |
|              | Frequency Range                                                                                                                                                                                                                                                                                                        | 50~60Hz                                                                  |           |
|              | AC Current                                                                                                                                                                                                                                                                                                             | 2,13A / 230VAC                                                           |           |
|              | Efficiency                                                                                                                                                                                                                                                                                                             | 88%                                                                      | 90%       |
|              | No load consumption                                                                                                                                                                                                                                                                                                    | <0.5W                                                                    |           |
| Protection   | Over Load                                                                                                                                                                                                                                                                                                              | Above 110%-150% of rated power                                           |           |
|              |                                                                                                                                                                                                                                                                                                                        | Shut-down output voltage, auto recovery after fault condition is removed |           |
|              | Over Voltage                                                                                                                                                                                                                                                                                                           | Above Max. Voltage (105% of rated voltage)                               |           |
|              |                                                                                                                                                                                                                                                                                                                        | Shut-down output voltage, auto recovery after fault condition is removed |           |
|              | Over Temperature                                                                                                                                                                                                                                                                                                       | Over 105°C detected by thermal sensor                                    |           |
|              |                                                                                                                                                                                                                                                                                                                        | Shut-down output voltage, auto recovery after fault condition is removed |           |
| Ambiant      | Working Temp. & humidity                                                                                                                                                                                                                                                                                               | "-20°C~+60°C, 20%~90%RH                                                  |           |
|              | Storage temp. & humidity                                                                                                                                                                                                                                                                                               | "-40°C~+85°C, 10%~95%RH                                                  |           |
| Tesings      | Withstand voltage                                                                                                                                                                                                                                                                                                      | I/P-O/P: 3KVAC/1min; I/P-F/G: 1.5KVAC/1min; O/P-F/G: 0.5KVAC/1min;       |           |
|              | Safety                                                                                                                                                                                                                                                                                                                 | GB4943 ;EN62608-1                                                        |           |
|              | EMC                                                                                                                                                                                                                                                                                                                    | EN55032:2015/AC:2016<br>EN61000-3-3:2013<br>EN55024:2010+A1:2015         |           |
| Other        | Lifespan                                                                                                                                                                                                                                                                                                               | 20000hrs                                                                 |           |
|              | Demension(L*W*H)                                                                                                                                                                                                                                                                                                       | 224*60*25mm(L*W*H)                                                       |           |
|              | Packing                                                                                                                                                                                                                                                                                                                | 0.42kg/pcs, 50pcs/21kg/CTN                                               |           |
| Note         | 1, The above mentioned data were measured at 230VAC input and 25°C.<br>2, Dis-connect the AC input before checking any mal-phenomenons.<br>3, Make sure the INPUT&OUPUT were in right situation before connected to power supply.<br>4, Datesheet for reference only. We suggest you take sampling before mass orders. |                                                                          |           |

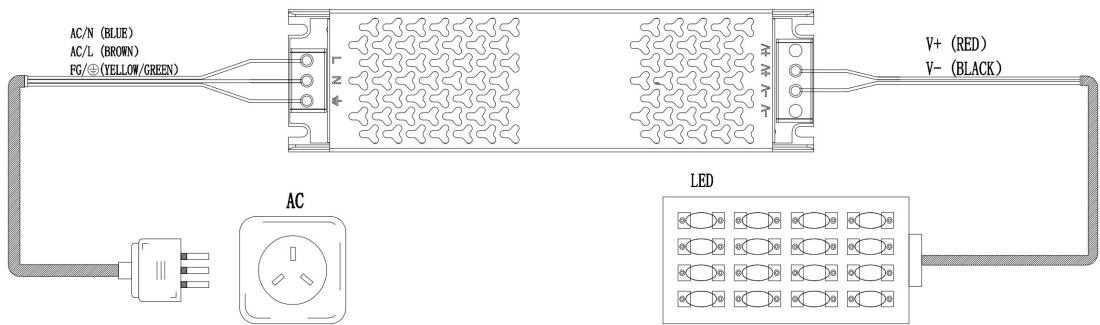
■Block Diagram



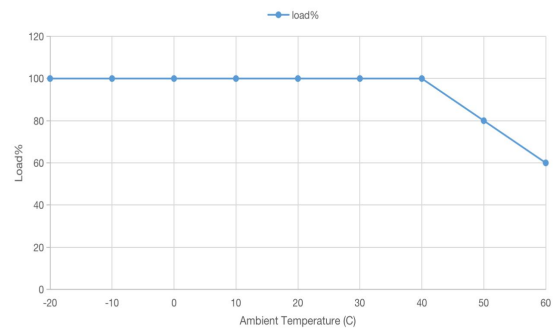
■Mechanical Specification



■Wiring Diagram



■Temperature Derating Curve



■Output Load VS Input Voltage

