



# LED POWER SUPPLY DATASHEET

SSL60-12VF

## DESCRIPTION

High Cost Performance, Products meet the SELV standard. The circuit design has over voltage, short circuit, overload and over temperature protection. Comply with low standby power consumption standard according to ERP instruction. Lifetime is over 30,000hrs. 5 years warranty.



### -Input

| Items               | Conditions                                             | Request                                        | Note |         |
|---------------------|--------------------------------------------------------|------------------------------------------------|------|---------|
| Input voltage range | Ta                                                     | 198-264Vac                                     | --   |         |
| Input frequency     |                                                        | 50/60Hz                                        | --   |         |
| Input current       | 25°C, rated input voltage, output with max. rated load | <0.5A                                          | --   |         |
| Input power         |                                                        | <75W                                           | --   |         |
| Efficiency          |                                                        | 89%                                            | --   |         |
| Standby             |                                                        | 25°C, rated input voltage, output without load | --   | average |
| Inrush current      |                                                        | 25°C, rated input voltage                      | <70A | peak    |
| PF                  | 25°C, rated input voltage, output max. rated load      | 0.97                                           | --   |         |

### -Temperate and others

| Item              | Conditions                                                                                                                            | Request  | Note |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|------|
| Operation temp.   | --                                                                                                                                    | -20-45°C | --   |
| Relative humidity | --                                                                                                                                    | 45%-85%  | --   |
| Max. case temp.   | --                                                                                                                                    | 90°C     | --   |
| Lifetime          | Max. Ta, rated input voltage, output with max. rated power                                                                            | 30,000hr | --   |
| Working noise     | 25°C, rated input voltage, output with rated load, static speakers background noise <30dB, pick up head is 10cm far away from product | <35dB    | --   |

### -Protection

| Items            | Conditions                                                                              | Request | Note           |
|------------------|-----------------------------------------------------------------------------------------|---------|----------------|
| Open circuit     | Ta, rated input voltage, output without load                                            | yes     | --             |
| Over load        | Ta, 0.94-1.06 times of input voltage, 1.6 times of rated power                          | yes     | --             |
| Short circuit    | Ta, 0.94-1.06 times of input voltage                                                    | yes     | --             |
| Over temperature | Ta, 0.94-1.06 times of input voltage, temperature detected pointed more than 110 degree | yes     | --             |
| Over voltage     | Ta, 0.94-1.06 times of input voltage, output voltage is 1.5 times of rated one          | yes     | --             |
| Auto recovery    | After over load, short circuit protection revocation                                    | yes     | LED light load |
| Latch off        | Over load, short circuit protection re-start should after cut off                       | --      | --             |

### -Output

| Items                        | Conditions                                              | Request | Note  |
|------------------------------|---------------------------------------------------------|---------|-------|
| Startup time                 | 25°C, rated input voltage, output with max. rated load  | ≤500mS  | @230V |
| Output voltage and precision | Ta, rated input voltage, output with rated load         | 12V±5%  | --    |
| Output current range         | Ta, rated input voltage                                 | 0-5A    | --    |
| Output voltage wave          | 25°C, rated input voltage, output with max. rated load  | ≤380mV  | Vp-p  |
| Output overload              | 25°C, rated input voltage, output with 2 times LED load | yes     | --    |
| Output current and precision | Ta, rated input voltage, output with rated load         | --      | --    |
| Rated output voltage range   | Ta, rated input voltage                                 | --      | --    |
| Output current wave          | 25°C, rated input voltage, output with max. rated load  | --      | Ip-p  |
| Dimming mode                 | Constant voltage dimming mode                           | --      | --    |
| Dimming range                | connect LED light load                                  | --      | --    |

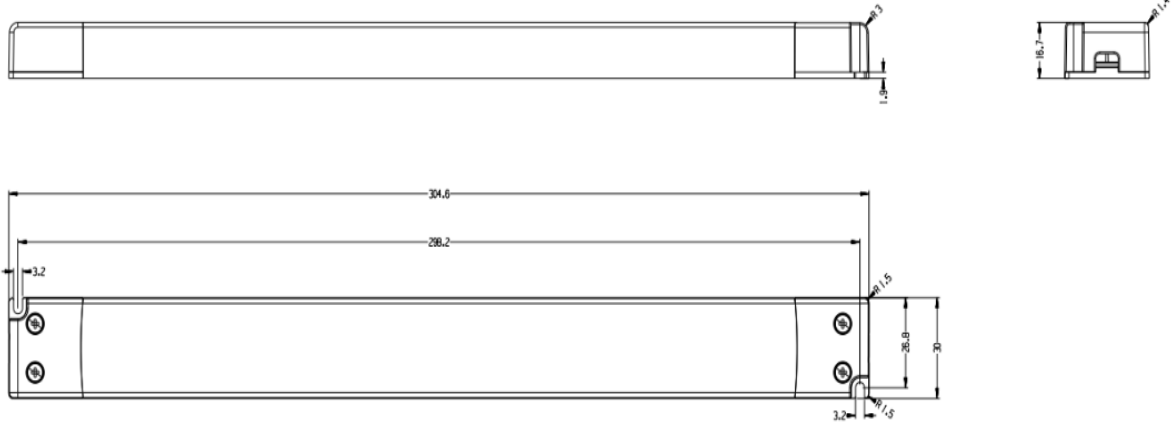
### -Mechanical, mounting

| Items                   | Conditions                      |
|-------------------------|---------------------------------|
| Case material and size  | Plastic case L304.6*W30*H16.7mm |
| Mounting ways           | Independent                     |
| Insulation type         | Class II                        |
| IP grade                | IP20                            |
| Input cables dimension  | H03VVH2-F 2x0.75mm <sup>2</sup> |
| Output cables dimension | H05VVH2-F 2x1.0mm <sup>2</sup>  |
| Output cables length    | 2M max.                         |

### -Standard

| Items    | Conditions                                            |
|----------|-------------------------------------------------------|
| Safety   | IEC61347-1、IEC61347-2-13(combine with light IEC60598) |
| Harmonic | IEC61000-3-2                                          |
| EMI      | IEC55015                                              |
| EMS      | IEC61547                                              |

### Dimensions(mm)



### Wiring Diagram

