

Constant Current & Constant Voltage LED Power Supply

SLT6-350IL-4
SLT6-500IL-4
SLT6-700IL-4



Product description:

This series was designed for compromise between an attractive price and high performance, which meets SELV standard of preventing electric shock. Protection of open circuit, short circuit, over load and over temperature increased safety in processing. Low standby power consumption complies with ERP directives. Optimized electric circuit design brings cost-effectiveness.



Standards:

EN61347-1 UL8750 pending
EN61347-2-13 UL1310 pending
EN61547
EN55015
EN61000-3-2
EN61000-3-3
EN62384

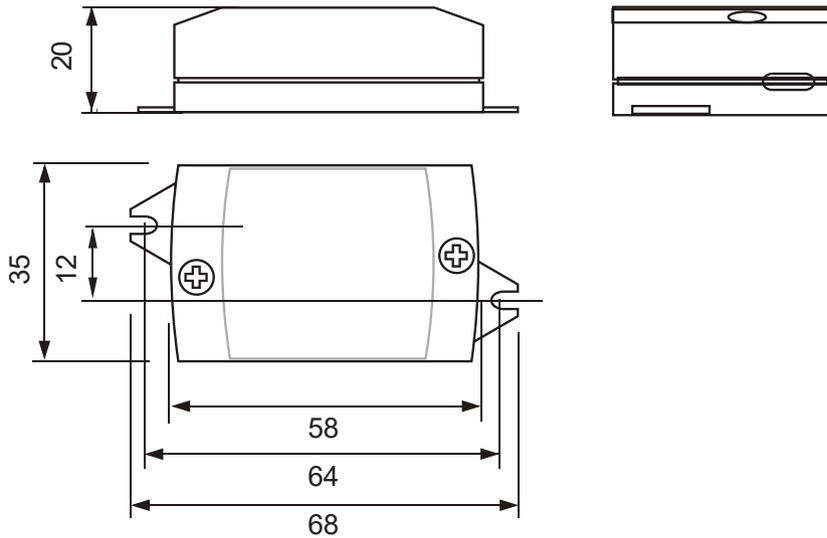
Characteristics:

- Universal input voltage(100-240Vac)
- Compact dimensions
- Independent use design
- Compatible with constant current and constant voltage function(350mA, 500mA and 700mA model)
- SELV output(<60V)
- Class 2 output
- Low output ripple current $\leq \pm 15\%$
- Fast start-up time $\leq 0.5s$
- No load power consumption $\leq 0.5W$
- Open circuit ,short circuit ,over load and over temperature protection
- Auto restart after fault conditions removal
- Low voltage ripple current 3%
- ECO design, comply with ERP directives

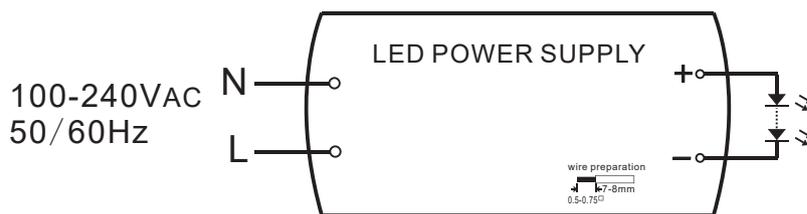
Specifications:

| Model | | SLT6-350IL-4 | SLT6-500IL-4 | SLT6-700IL-4 | |
|-------------------|--|-----------------------------|-----------------------------|-------------------------------|-------|
| Output | turn on time(S) | ≤0.5 | ≤0.5 | ≤0.5 | |
| | output current(mA) | 350 | 500 | 700 | |
| | CC | output current tolerance ① | +/-5% | +/-5% | +/-5% |
| | | ripple current(mA)(%) | ≤3% | ≤3% | ≤3% |
| | | working voltage range(V) | 3-22 | 3-12 | 3-9 |
| | | Max. output voltage(V) | 25 | 14 | 13 |
| | CV | output vorage (V) | 24 | n/a | 12 |
| | | output voltage tolerance ① | +/-5% | +/-5% | +/-5% |
| | | ripple voltage(mV) | n/a | n/a | n/a |
| | | working current range(A) | 0-0.25 | n/a | 0-0.5 |
| dimming interface | | No | | | |
| dimming range | | n/a | | | |
| Input | rated supply voltage(Vac) | 100-240 | 100-240 | 100-240 | |
| | voltage range(Vac) | 90-264 | 90-264 | 90-264 | |
| | line frequency(Hz) | 50/60 | 50/60 | 50/60 | |
| | input current(mA) | 0.065@220-240V/0.1@100-120V | 0.065@220-240V/0.1@100-120V | 0.045@220-240V/0.085@100-120V | |
| | efficiency ② | ≥76%@230V | ≥75%@230V | ≥73%@230V | |
| | power factor ② | ≥0.70c @full load | ≥0.70c @full load | ≥0.80C@full load | |
| | inrush current(lpk) | 25A/80us | 25A/80us | 25A/80us | |
| Protection | over voltage protection | YES | YES | YES | |
| | short circuit protection | YES | YES | YES | |
| | over temperature protection | YES | YES | YES | |
| | automatic restart | YES | YES | YES | |
| | over load protection | YES | YES | YES | |
| | surge capacity | L-N: 500V | L-N: 500V | L-N: 500V | |
| Ambient and Life | Ta(°C) | | -20...+50 | | |
| | Tc max.(°C) | | 85 | | |
| | Storage Temperature(°C) | | -30...80 | | |
| | ambient humidity range | | 5%...85%RH, Not condensing | | |
| | nominal life-time(hrs) | | 50000@Tc=90°C | | |
| Other | weight(g) | | 37.5 pending | | |
| | dimensions (LxWxH)(mm) | | 68x35x20 | | |
| | casing material | | Plastic | | |
| | housing colour | | White | | |
| | type of protection | | IP20 | | |
| | protection class | | CLASS II | | |
| Note | <p>1. Tolerance:includes set up tolerance, line regulation and load regulation. 2. Tested at full load,230Vac.Refer to"Power Factor" and "EFFICIENT"curve graphs. 3. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature. 4. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</p> | | | | |

Dimensions(mm/inches):



Wiring diagram:



- 1.Tolerance : includes set up tolerance, line regulation and load regulation.
- 2.Tested at 100Vac input.
- 3.Tested at full load.Refer to"Power Factor" and "EFFICIENT"curve graphs.
- 4.All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 of ambient temperature.
- 5.The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again."

MCBS information:

| Miniature circuit breaker Model | B10 | B13 | B16 | B20 | C10 | C13 | C16 | C20 |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| SLT6-350IL-4 | 45 | 60 | 75 | 94 | 78 | 94 | 128 | 157 |
| SLT6-500IL-4 | 45 | 60 | 75 | 94 | 78 | 94 | 128 | 157 |
| SLT6-700IL-4 | 45 | 60 | 75 | 94 | 78 | 94 | 128 | 157 |

Sales & Technical Support:

SELF Electronics Co.,Ltd.(Headquarters)

Add: No. 1345 JuXian Road, Ningbo Hi Tech Park, Ningbo, China 315103
 Phone: +86-574-2880-5765, +86-574-2880-5658 (for English assistance)
 +86-574-2880-5678 (for Chinese assistance)
 Fax: +86-574-28805656
 E-mail: sales@self-electronics.com
<http://www.self-electronics.com>

Self Electronics Co.,Ltd.,Shenzhen Office

Add: Room2007, Xinglang Xuan, Xinghemingju, Fuming Rd., Futian District, Shenzhen
 Tel: +86-755-8355-8850
 Fax: +86-755-8355-8840
 E-mail: szsales@self-electronics.com

SELF Electronics Germany GmbH

August-Horch-Str. 7, 51149 Cologne
 Phone: +492203-18501-0
 Fax: 492203-18501-199
 E-mail: saleseu@self-electronics.com

*Due to continuous improvements and innovations, specifications are subjected to change without notice.