

Constant Voltage LED Power Supply

SLT30-12VLG-Es
SLT30-24VLG-Es
SLT30-48VLG-Es



Product description:

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

Standards:

EN61347-1
EN61347-2-13
N61547
EN55015
EN61000-3-2
EN61000-3-3
EN62384
EN62493

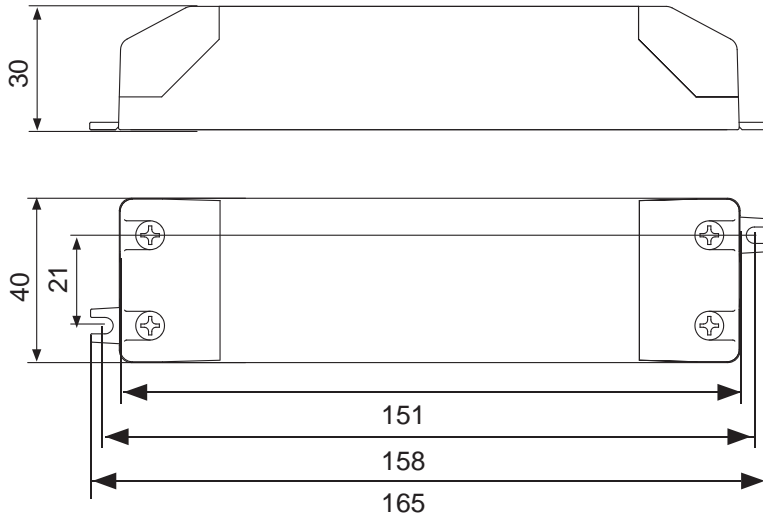
Characteristics:

- Independent use design
- SELV output (<60V)
- Open circuit, short circuit, over load and over temperature protection.
- Auto restart after fault conditions removal
- No load power consumption $\leq 0.3W$

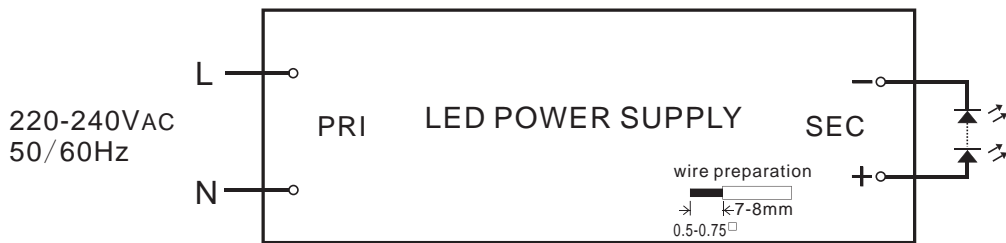
Specifications:

| Model | SLT30-12VLG-Es | SLT30-24VLG-Es | SLT30-48VLG-Es | |
|------------------|---|--|----------------|-----------|
| Output | turn on time(S) ¹ | 0.5 | 0.5 | 0.5 |
| | output power(W) ¹ | 30 | 30 | 30 |
| | output voltage(V) | 12 | 24 | 48 |
| | output voltage tolerance ² | +/-5% | +/-5% | +/-5% |
| | ripple voltage(mV) | 200(Vp-p) | 400(Vp-p) | 800(Vp-p) |
| | working current range(A) | 0-2.5 | 0-1.25 | 0-0.625 |
| | output safety rating | SELV | | |
| | dimming interface | No | | |
| | dimming range | n/a | | |
| Input | rated supply voltage(Vac) | 220-240 | 220-240 | 220-240 |
| | voltage range(Vac) | 198-264 | 198-264 | 198-264 |
| | line frequency(Hz) | 50/60 | 50/60 | 50/60 |
| | input current(mA) | 160 | 160 | 160 |
| | input power(W) ¹ | 35.4 | 35 | 35 |
| | efficiency ³ | 84.0% | 85.0% | 86.0% |
| | average efficiency ⁴ | 80.0% | 82.0% | 83.0% |
| | no load power consumption(W) ¹ | 0.3 | 0.3 | 0.3 |
| | power factor ³ | 0.95 | 0.95 | 0.95 |
| | THD ³ | 20% | 20% | 20% |
| | inrush current(lpK) | 16A/150uS | 16A/150uS | 16A/150uS |
| Protection | input over voltage protection | 320Vac,1 hours. | | |
| | short circuit protection | In case of a short circuit on the secondary side,the ECG will switche off. | | |
| | over temperature protection | ECG switchs off if the temperature reaches a certain degree. | | |
| | over load protection | ECG works in pulsed light output mode. | | |
| | automatic restart | After elimination of the fault condition the ECG will recover automatically. | | |
| | surge capacity | L-N:1kV | | |
| Ambient and Life | Ta(°C) | -20...50 | | |
| | Tc max.(°C) | 90 | | |
| | nominal life-time(hrs) | 35'000@Tc=75 C | | |
| | Storage Temperature(°C) | -30...80 | | |
| | ambient humidity range | 5%...85%, Not condensing | | |
| Other | weight(g) | 200 | | |
| | dimensions (LxWxH)(mm) | 165x40x30 | | |
| | casing material | Plastic | | |
| | housing colour | Grey+Blue | | |
| | connecting method | Terminal block | | |
| | type of protection | IP20 | | |
| | protection class | ClassII | | |
| Note | 1. At 230Vac,50Hz,full load. 2. Tolerance:includes set up tolerance,line regulation and load regulation. 3. At 230Vac,50Hz,full load.Refer to EFFICIENT Power Factor and THD curve graphs. 4. Calculate the model's average efficiency for each test voltage by testing at 100%, 75%, 50%, and 25% of rated current and then computing the simple arithmetic erage of these four values. | | | |

Dimensions(mm):

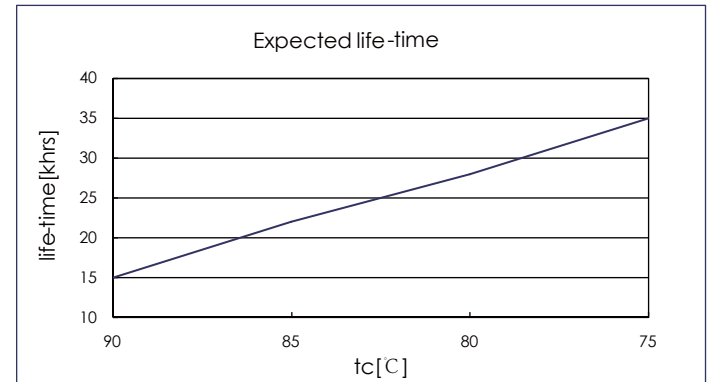
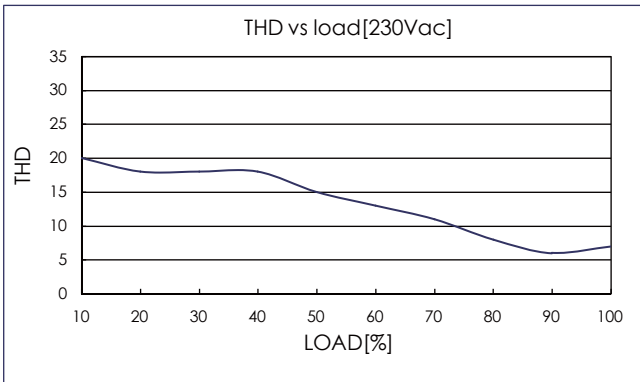
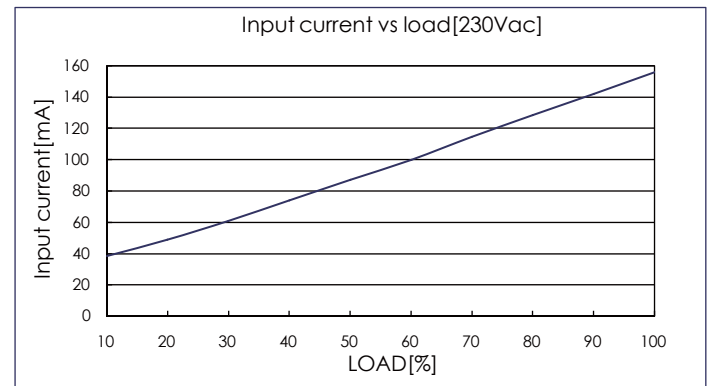
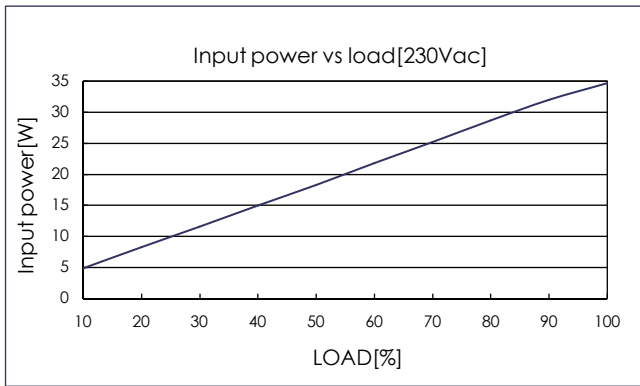
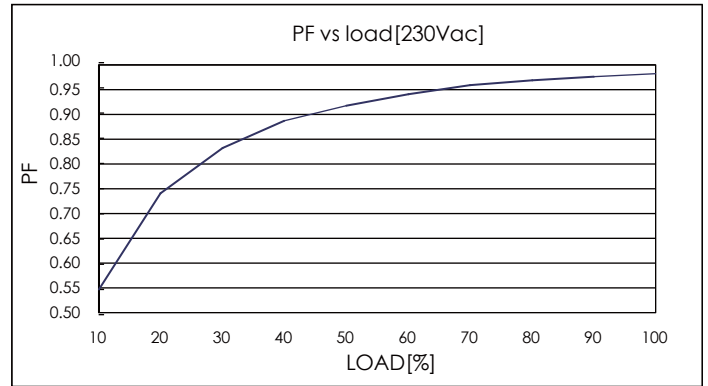
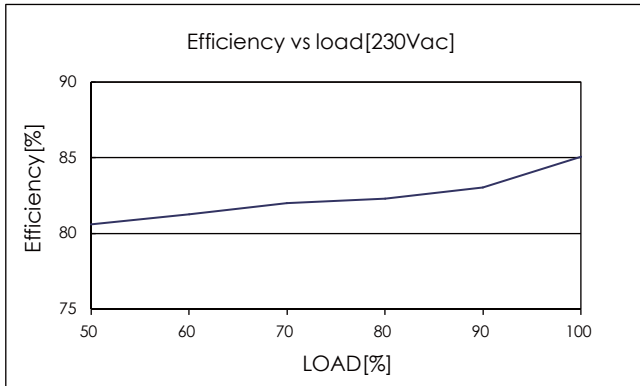


Wiring diagram:



Electrical curves:

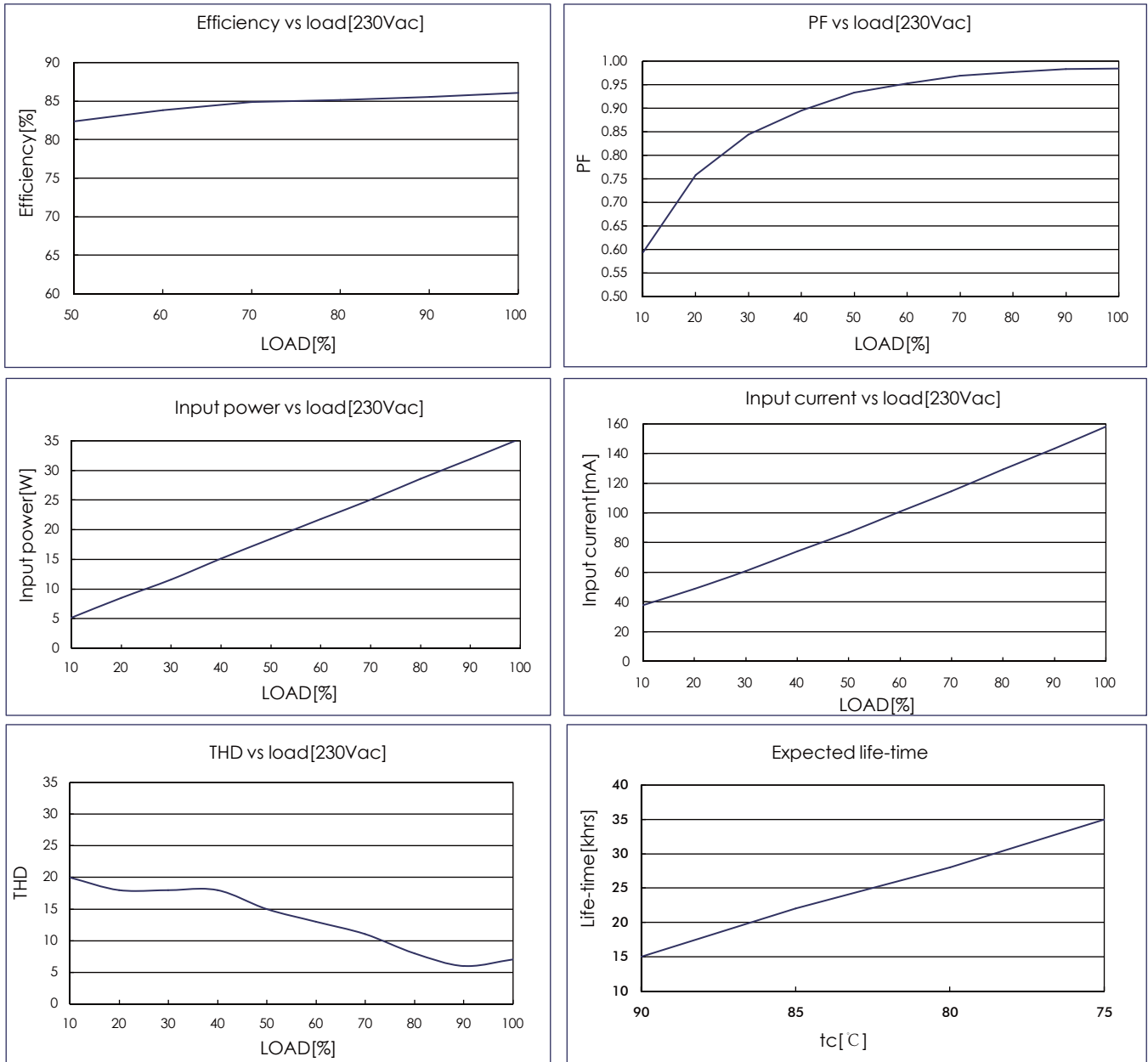
SLT30-12VLG-ES



note
 For constant current power supply,"LOAD" means the percentage of the maximum rated output voltage.
 For constant voltage power supply,"LOAD" means the percentage of the maximum rated output current.

Electrical curves:

SLT30-24VLG-ES

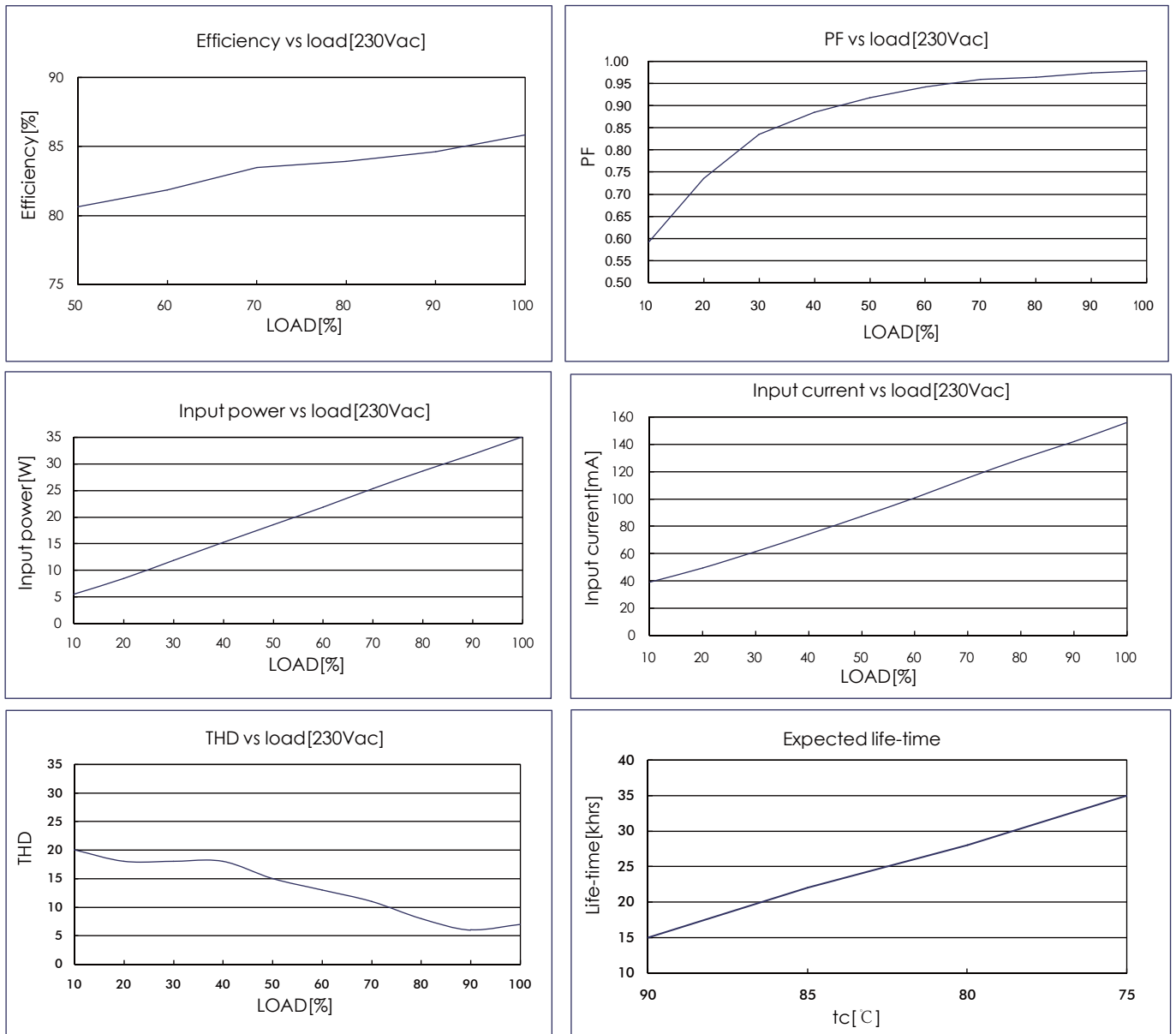


note

For constant current power supply, "LOAD" means the percentage of the maximum rated output voltage.
 For constant voltage power supply, "LOAD" means the percentage of the maximum rated output current.

Electrical curves:

SLT30-48VLG-ES



note
 For constant current power supply,"LOAD" means the percentage of the maximum rated output voltage.
 For constant voltage power supply,"LOAD" means the percentage of the maximum rated output current.



MCBS information:

| Miniature circuit breaker Model | B10 | B13 | B16 | B20 | C10 | C13 | C16 | C20 |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| SLT30-12VLG-Es | 35 | 45 | 56 | 70 | 58 | 70 | 95 | 112 |
| SLT30-24VLG-Es | 35 | 45 | 56 | 70 | 58 | 70 | 95 | 112 |
| SLT30-48VLG-Es | 35 | 45 | 56 | 70 | 58 | 70 | 95 | 112 |

Order information:

| Order.No. | Model | Carton quantity(pcs) | Carton dimension(mm) | G.W./CTN(kg) |
|------------------|----------------|----------------------|----------------------|--------------|
| 1001-610146-0130 | SLT30-12VLG-Es | 40 | 365x240x175 | 10 |
| 1001-610147-0131 | SLT30-24VLG-Es | 40 | 365x240x175 | 10 |
| 1001-610153-0130 | SLT30-48VLG-Es | 40 | 365x240x175 | 10 |

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