

## LPS 35 DATASHEET

- Constant Voltage Design
- Universal AC Input
- IP67 design for indoor or outdoor installations
- 2 years warranty
- Under&Over Voltage protections
- Short circuit / Overload
- Full isolated plastic case Class II
- 100% full load burn-in test

| MODEL           |  | LPS35-12  | LPS35-24     |
|-----------------|--|---|--------------|
| OUTPUT          | DC VOLTAGE   | 12V   | 24V          |
|                 | RATED CURRENT  | 3A  | 1.5A         |
|                 | CURRENT RANGE  | 0-3A  | 0-1.5A       |
|                 | RATED POWER  | 35W   | 35W          |
|                 | RIPPLE and NOISE   | 150mV   |              |
|                 | VOLTAGE TOLERANCE  | ±3.0%   | ±3.0%        |
|                 | LINE REGULATION  | ±1.0%   | ±1.0%        |
|                 | LOAD REGULATION  | ±0.5%   | ±0.5%        |
| HOLD UP TIME    | 50ms/230VAC 20ms/115VAC @FULL LOAD                                   |   |              |
| INPUT           | VOLTAGE RANGE  | 90-264VAC   | 127-370VDC   |
|                 | FREQUENCY RANGE  | 47-63Hz   |              |
|                 | EFFICIENCY (Typ.)  | <87%  | <89%         |
|                 | AC CURRENT (Typ.)  | 1.1A/115VAC 0.7A/230VAC   |              |
|                 | INRUSH CURRENT(Typ.)   | COLD START 55A (twidh=510µs measured at 50% Ipeak) at 230VAC                        |              |
|                 | MAX. No. of PSUs on 16A CIRCUIT BREAKER                              | 4 units (circuit breaker of type B) / 9 units (circuit breaker of type C) at 230VAC |              |
| LEAKAGE CURRENT | 0.25mA / 240VAC  |   |              |
| PROTECTION      | OVERLOAD   | 110 ~ 130% rated output power   |              |
|                 | OVER VOLTAGE   | 13.8 ~16.2V   | 27.6 ~ 32.4V |
|                 |  | recovers automatically after fault condition is removed                             |              |
|                 | OVER TEMP.   | +80°C<br>recovers automatically after fault condition is removed                    |              |
| SHORT CIRCUITS  | PROTECTED<br>recovers automatically after fault condition is removed |   |              |
| ENVIRONMENT     | WORKING TEMP.  | -30 ~ +65°C (Refer to "Derating Curve")   |              |
|                 | WORKING HUMIDITY   | 20 ~ 90% RH non-condensing  |              |
|                 | STORAGE TEMP. HUMIDITY   | -40 ~ +80°C, 10 ~ 95% RH  |              |
|                 | VIBRATION  | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes             |              |
| SAFETY & EMC    | WITHSTAND VOLTAGE  | I/P-O/P:3KVAC   |              |
|                 | ISOLATION RESISTANCE   | I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH  |              |
|                 | EMC EMISSION   | EN55032 Class B,EN61000-3-2 Class A,EN61000-3-3                                     |              |
|                 | EMC IMMUNITY   | EN61000-4-2,3,4,5,6,8,11  |              |
| OTHERS          | DIMENSION  | 135*36*31 (L*W*H)   |              |
|                 | PACKING  | 0,190Kg: 50pcs / 9,5KG 325*235*180 mm. (L*W*H) 0,0138 m <sup>3</sup>                |              |

Note.1: Measured at full load and steady-state temperature in 25°C ambient(Efficiency will be about 2% lower if measured immediately after startup );

Note. 2: Derating may be needed under low input voltages , Please Refer to 'Derating Curve' ;

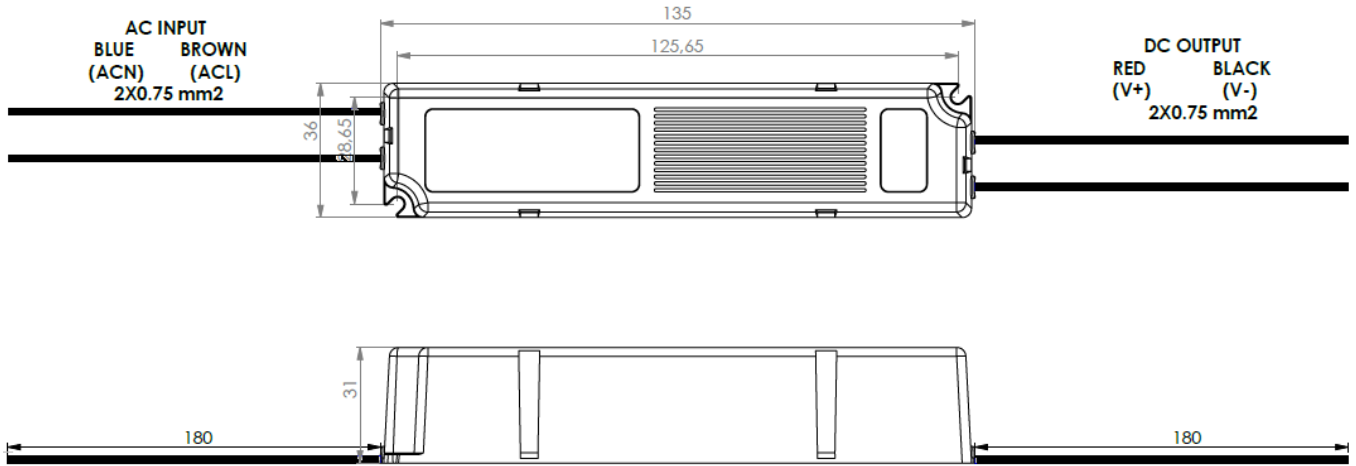
Note. 3: All parameters NOT specially mentioned are measured at 230VAC input , rated load and 25°C of ambient temperature ;

Note. 4:Load condition, Measured by 20 MHz bandwidth oscilloscope and the output paralleled a 0.1µF ceramic capacitor and a 10µF.

# asys

## Mechanical Specification

Dimensions (Unit: mm)



## Derating Curve

