

ULVU 18W Series

LED Lighting - Standard







▲ ULVUL3018



▲ ULVUZ3018



ULVUE3018



ULVUR3018



ULVUA3018



▲ ULVUK3018

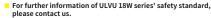


ULVUF3018



ULVUG3018















Model Name Definition

UxVUx3018-1234567

| Standard Code

- LED
 - L 61347-1

- ① Developed by UNIFIVE
- Standard Code
- (3) Series Code
- Series Code: U/L/Z/E/R
 A/K/F/G
- **5** Input 100V/240V
- **6** Output Power (W)
- (7) Detail Information



Highlight

- Product comply IEC 6100-3-2 harmonic restrictions standard that over 5W and under 25W apply for all lighting appliances including LED lighting
- The limited value for LED Driver over 5W and under 25W apply for all lighting appliances including LED lighting. All of over 5W lighting devices are under harmonic restrictions
- Additional under 25W ease requirements (additional item ③ only and item ① & ② same as before)
 - 1) Class D
 - 2 Judge by waveform phase
 - ③ THD≤ 70% and basic wave current for 3rd, 5th, 7th, 9th and 11th are under 35%, 25%, 30%, 20% and 20%. The 2nd harmonic under 5%
- Corresponding CV mode, we support customized for C.C. & C.V. mode, C.C. mode only, LED table lamp and LED fluorescent lamp.
- Power Factor Correction
- Suitable for LED Lights

Standard*

- Audio / AV / IT 62368-1** 60065-1 60950-1
- **LED** 61347-1

- PSE
- * ULVU 18W series is designed to MEET all standards above.
- **Opt for IEC/UL 62368, other than 60065 and 60950, compliant products for advanced and comprehensive safety protection.

EMS Compliance

- EN55032
- EN61000-3-2
- EN61000-3-3
- EN61000-4-2
- EN61000-4-3
- EN61000-4-4
- EN61000-4-5
- EN61000-4-6
- EN61000-4-8
- EN61000-4-11

Emissions

- FCC-B
- CISPR15
- BS EN55015
- VCCI-B

Immunity

- EN61547
- BS EN61547

Efficiency

Up to

85%

Electrical Spec

| Input | | | | | | | | | |
|--------------|-----------|---------|------|-------|---|--|--|--|--|
| Description | Min. | Тур. | Max. | Units | | | | | |
| Voltage | 90 | 100~240 | 264 | Vac | | | | | |
| Frequency | 47 | 50/60 | 63 | Hz | | | | | |
| Power Factor | ACIN 100V | 0.75 | - | - | - | | | | |
| | ACIN 230V | 0.75 | - | - | - | | | | |

| Environmental | | | | | | | |
|-----------------------|------|------|------|-------|----------------------------|--|--|
| Description | Min. | Тур. | Max. | Units | Comment | | |
| Operating Temperature | 0 | - | 40 | °C | Free Convection,Sea Level | | |
| Storage Temperature | -20 | - | 65 | °C | Free Convection, Sea Level | | |
| Operating Humidity | 5 | - | 95 | %RH | No Condensing | | |
| Storage Humidity | 5 | - | 95 | %RH | No Condensing | | |

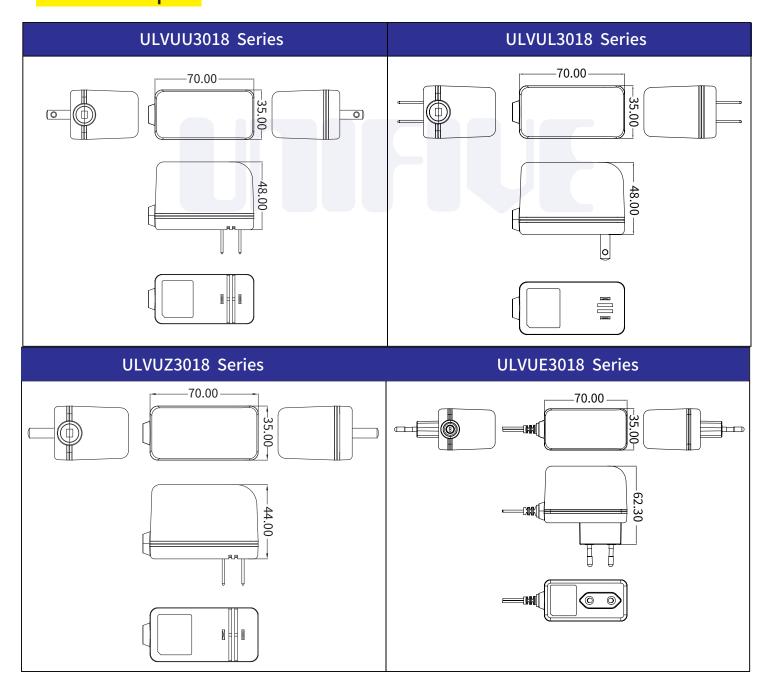


Typical model list

| Model Name | DC Output Voltage | DC Output Current | Output Voltage Precision | Ripple | Noise | Average Active Efficiency | No-Load Power Consumption |
|------------------|-------------------------|-------------------------|--------------------------------|--------|-------|---------------------------------|---------------------------------|
| ULVUx3018-120015 | 12.0V | 1.5A | ±7% | 5V | 5V | 85.0% | 0.3W |
| ULVUx3018-150012 | 15.0V | 1.2A | ±7% | 5V | 5V | 85.0% | 0.3W |
| ULVUx3018-190950 | 19.0V | 0.95A | ±7% | 5V | 5V | 85.0% | 0.3W |
| ULVUx3018-240750 | 24.0V | 0.75A | ±7% | 5V | 5V | 85.0% | 0.3W |

Measurement Condition

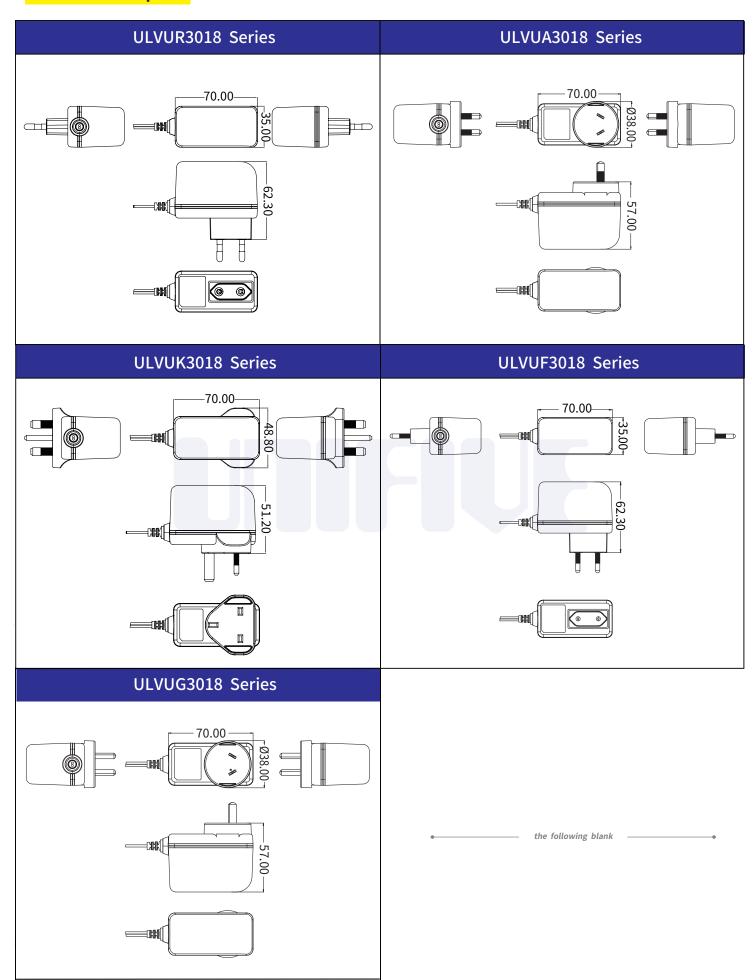
Mechanical Spec



Measurements shall be made with an oscilloscope with 20MHz bandwidth.
 Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF electrolytic capacitor to simulate system loading.



Mechanical Spec



Please contact our sales department for details of each model