

	Department: Product Department	Pages: Page 1 of 4
File Name: EUP120-24A Technical Specifications		Version: A1

## 1, Electrical Functions

### 1.1 Input Characteristics:

#### 1.1.1 Rated Voltage

AC Voltage: 200VAC-240VAC

#### 1.1.2 Input Voltage Range:

AC Voltage: 176VAC-264VAC

#### 1.1.3 Rated Frequency

Rated Frequency: 50Hz/60Hz.

#### 1.1.4 AC Voltage Frequency Range:

47Hz-63Hz

#### 1.1.5 Efficiency

83%(Typical) when input voltage is 220VAC with rated load.

Efficiency is the testing result of surrounding temperature above 25 degree with stable temperature of power supply

#### 1.1.6 Power Factor

0.7 (Typical) when input voltage is 220VAC with biggest load.

#### 1.1.7 Inrush Current

When input voltage is 220VAC/50Hz and the load is rated load, the inrush current after power on should be less than 50A.

#### 1.1.8 Max AC input current

When input voltage is 220VAC and the load is rated load, the Max AC input current should be less than 0.9A.

#### 1.1.9 Dimming Function

0-10Vdc or 1-10Vdc



### 1.2 Output Characteristics:

#### 1.2.1 Output Channels

Single channel

#### 1.2.2 Output Voltage and Current

Single Channel Output Voltage: Constant Voltage 24VDC.

Single Channel Output Current: DC 5A +/-10%.

#### 1.2.3 Total Output Power

Max Power: 120W

#### 1.2.4 Working Mode

Continuous Work

#### 1.2.5 Start-up Time

When the input voltage is 220V, the turn-on delay time won't be over 1.5 seconds.

### 1.3 Protection Functions:

#### 1.3.1 Over-temperature protection

When the temperature inside the power supply rise to 100-130 degree, the over-temperature protection starts until the temperature falls down to the normal range.

## 2, Surroundings

### 2.1 Temperature:

#### 2.1.1 Working Temperature

Ta: -20°C ~ 50°C

Tc: max 85°C

#### 2.1.2 Storage Temperature

-40°C ~ 90°C

### 2.2 Humidity

#### 2.2.1 Working Humidity

5% ~ 100% RH

#### 2.2.2 Storage Humidity

5% ~ 100% RH

## 3, Safety Testing

### 3.1 High-voltage Insulation test

3.1.1 Input Circuit to Output Circuit: 3k Vac, 10mA, 1 minute.

3.1.2 Input Circuit to the ground: 1.5k Vac, 10mA, 1 minute

### 3.2 Leakage Current

3.2.1 L Line to the ground: 220Vac, 1mA

3.2.2 N Line to the ground: 220Vac, 1mA

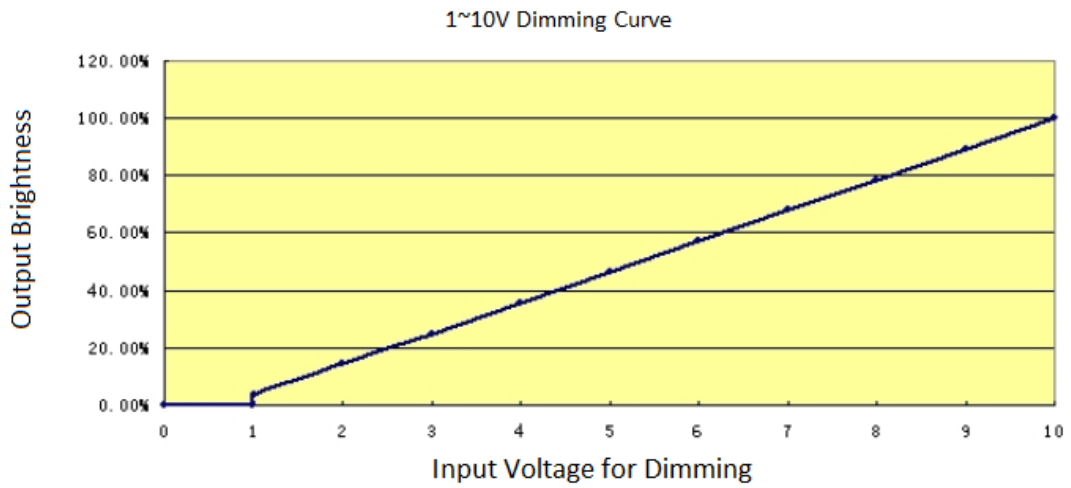
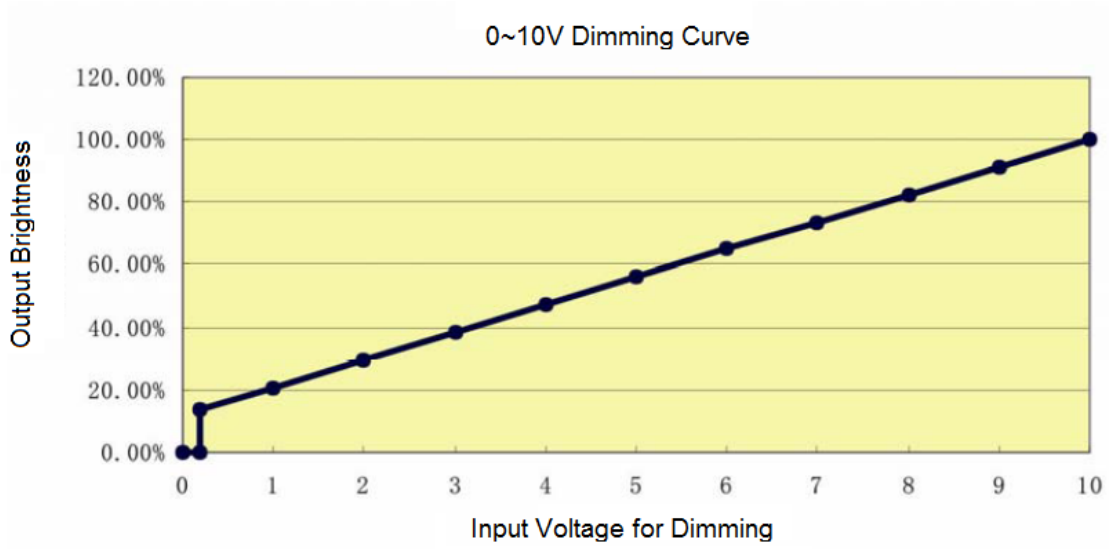
### 3.3 Insulation Resistance

3.3.1 Input Circuit to Output Circuit: 500Vdc, 100M  $\Omega$ , 1 minute.

3.3.2 Input Circuit to the ground: 500Vdc, 100M  $\Omega$ , 1 minute.

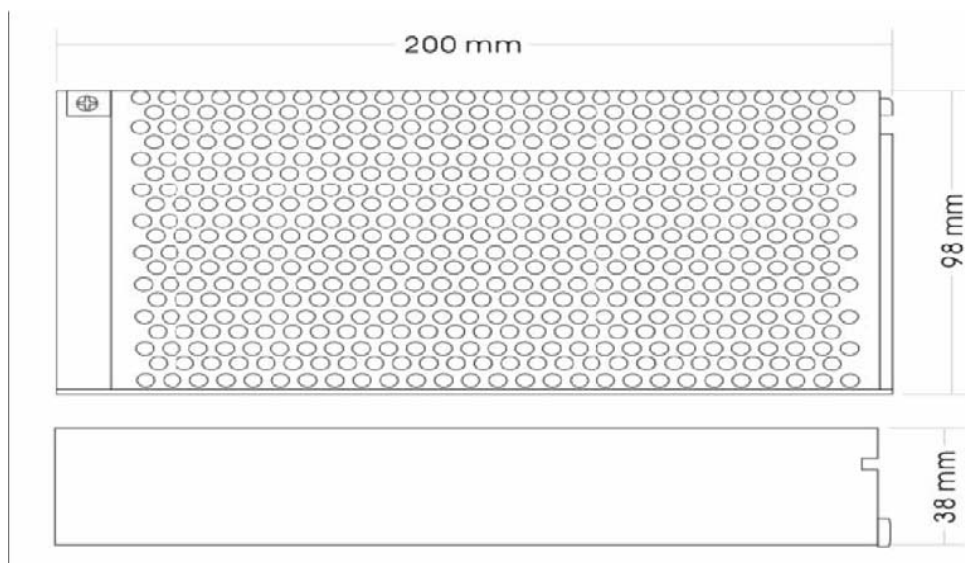
## 4, Curves.

### 4.1 Dimming Curve

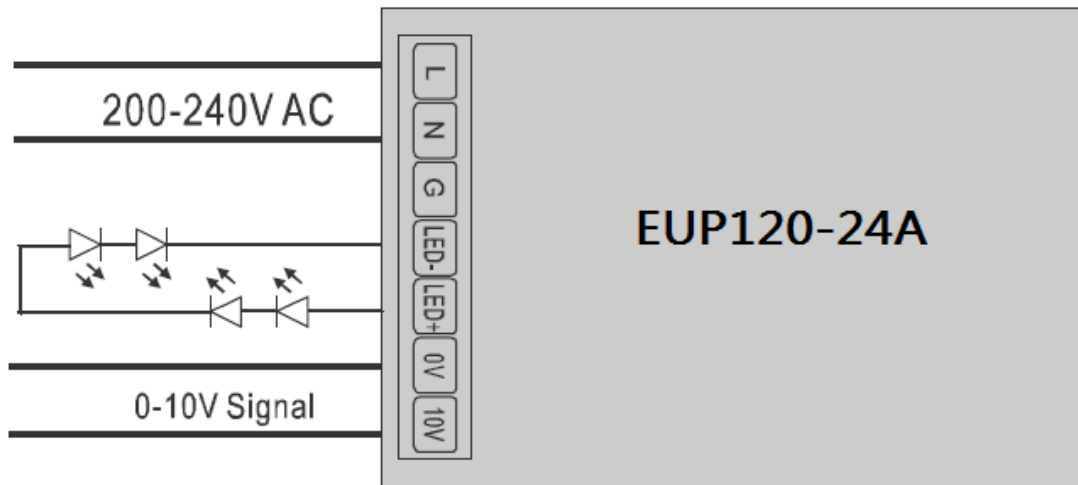


## 5, Mechanical Characteristics

### 5.1 Dimensions:



5.2 Wiring:



5.3 Weight.

670g (Typical)