



## Features:

- Constant voltage/ PWM Output (NFC regulation)
- DALI & Push dimming function (0-100%)
- AC input: 110-277VAC
- Built-in active PFC function
- Efficiency up to 91%
- Protections: Short circuit/ Over load/ Over temperature
- Cooling by free air convection
- IP66 design for indoor and outdoor installation.
- Suitable for intelligent LED lighting

## Models

### ELED-300-12DP2

### ELED-300-24DP2

## Output Specifications

Output Voltage	12V (12-13.5V adjust by NFC)	24V (24-25.5V adjust by NFC)
Voltage Tolerance	± 0.2%	
Output Current	25A	12.5A
Rated Power	300W	
Load Regulation	± 2%	

## Input Specifications

Input Voltage	100-277VAC	
Frequency Range	47-63Hz	
Inrush Current	60A (Twidth=188µs 230VAC)	
Full Load Efficiency (Typ.)	90%	89%
AC Current (Max.)	3.5A	
Leakage Current	<0.50mA	
Power Factor	PF≥0.98@120VAC PF≥0.95@230VAC PF≥0.90@277VAC (Full loading)	

## Protection

Short Circuit	Constant current mode, recovers automatically after fault condition is removed
Over Loading	≤120% constant current limiting, recovers automatically after fault condition is removed
Over Temperature	100°C± 10°C
Protection Class	I

## Environment

Working Temperature	-40~+60°C (Refer to derating curve)
Working Humidity	20-95% RH, non-condensing

## Safety & EMC

Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz, 5G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes

## Safety & EMC

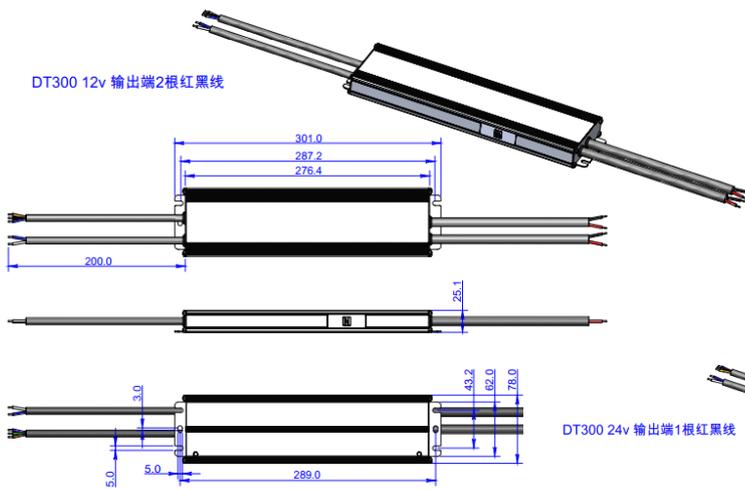
Safety standards	EN61347-1, EN61347-2-13, EN62493, UL8750 (US)IP66
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100MΩ/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2, EN61000-3-3 (≥60% load)
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11, EN61547

## Other Specifications

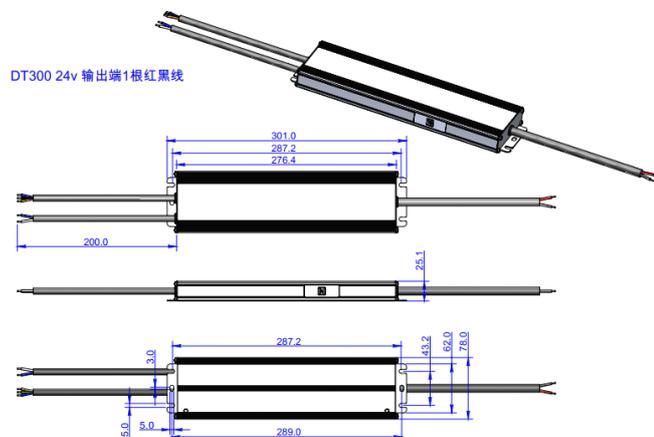
Weight	1.15Kg
Size	301x 78 x 25.1 mm
Packing	390 x 325 x 185 mm (20PCS/CTN, 24 Kg/CTN))

## Mechanical Specifications

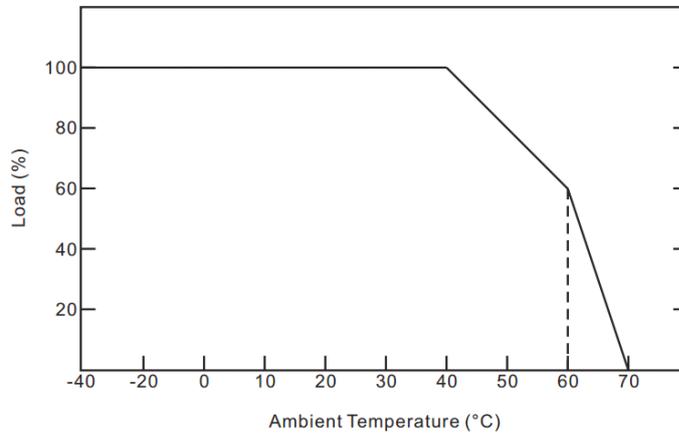
Model: ELED300-12DP2



Model: ELED-300-24DP2

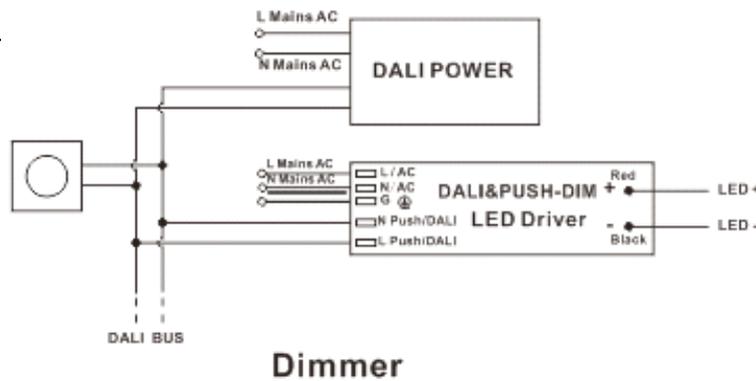


## Derating Curve

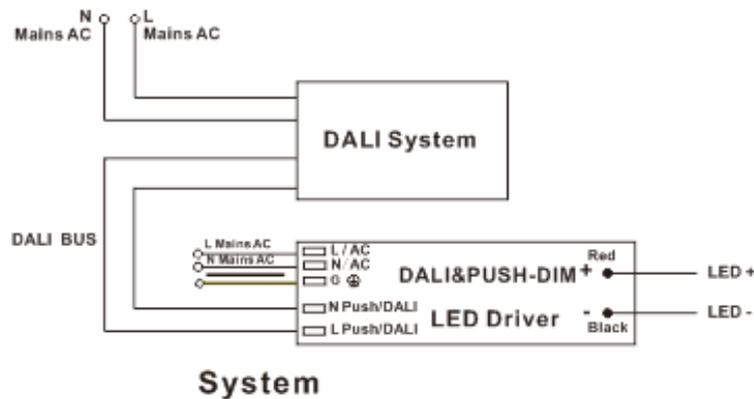


## Dimming Operation

### DALI Dimming Wiring Diagram1

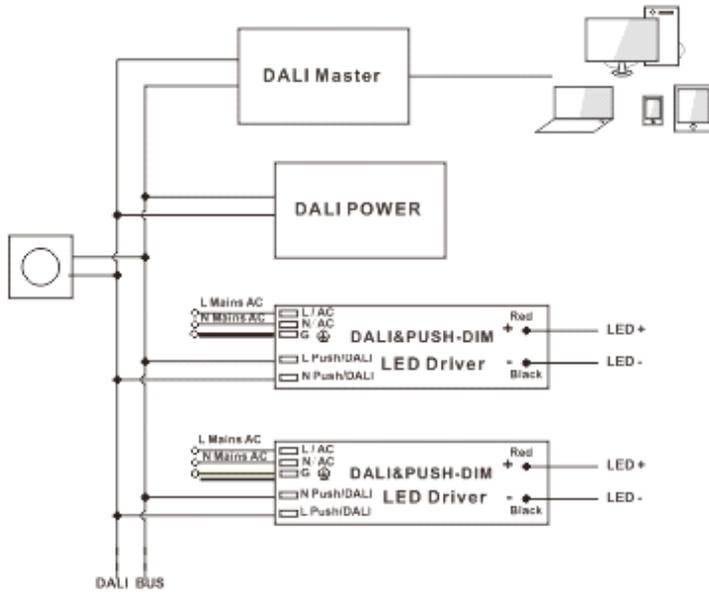


### DALI Dimming Wiring Diagram2



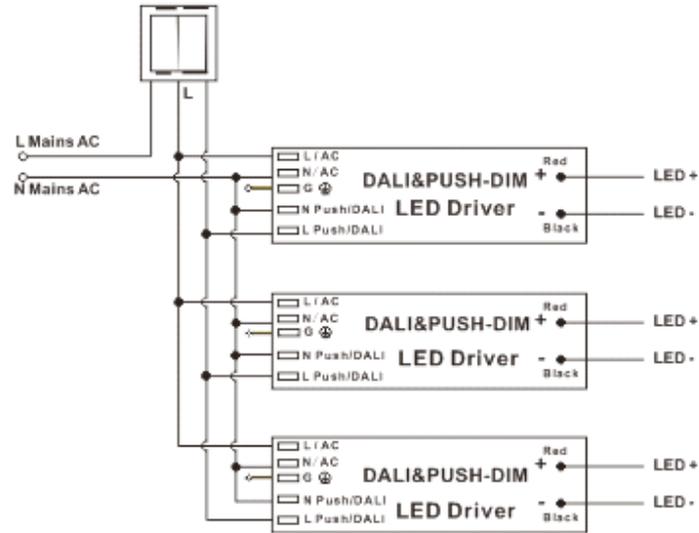
## Dimming Operation

DALI Dimming Wiring Diagram 3



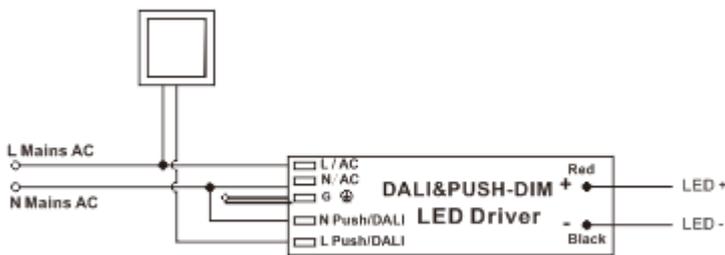
PC+DALI Master+DIMMER

Push-Dimming Wiring Diagram 1



Dimmer (with ON/OFF function)

Push-Dimming Wiring Diagram 2



Dimmer

※Note: For DALI Dimming Wiring Diagram 3, please noted that only one DALI power is need in the DALI bus, so no extra DALI power is needed if the Master or Dimmer already includes the DALI Power.