

## LE61 for LED power series

- Universal input voltage
- Single output
- Short circuit protection
- Over voltage protection
- Over current protection
- Output voltage and current adjustable function
- Constant voltage and current design
- High input power factor (Active PFC)
- Low input ATHD



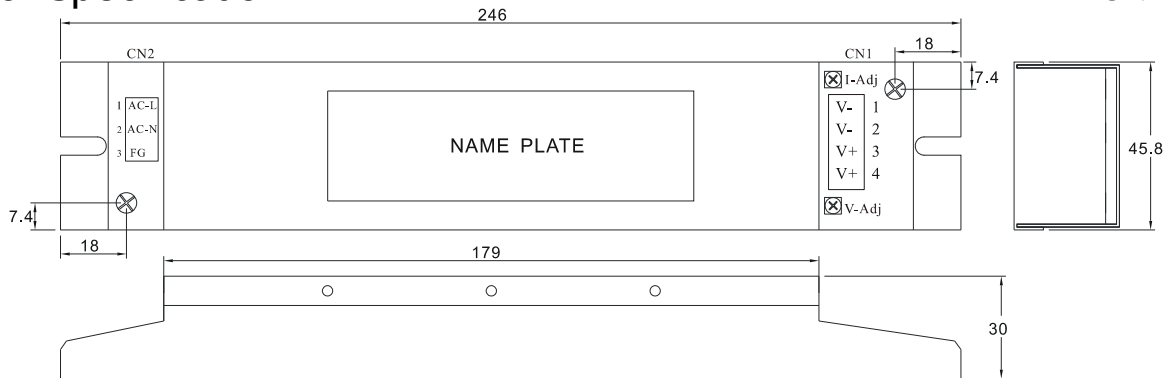
### SAFETY AGENCY APPROVALS:



Specifications:	LE61 series:
Input voltage	100~240VAC
Input frequency	50~60Hz (Limits:47~63Hz)
Input current	1.2A Max.
Input power factor	$\geq 0.9$ at 75~100% load
Input total harmonic distortion	<20% at 75~100% load
Safety ground leakage current	<0.7mA
Output voltage	See rating chart
Output current	See rating chart
Output power range	See rating chart
Ripple	See rating chart
Over voltage protection	Yes
Over current protection	Yes
Short protection	Yes
Temperature coefficient	All output $\pm 0.04\%/^{\circ}\text{C}$ maximum
Operating temperature	-20 $^{\circ}\text{C}$ ~+40 $^{\circ}\text{C}$
Storage temperature	-40 $^{\circ}\text{C}$ ~+85 $^{\circ}\text{C}$
Relative humidity	5% to 95% non-condensing
Derating	Derated from 100% at+40 $^{\circ}\text{C}$ linearly to 50% at 70 $^{\circ}\text{C}$
Efficiency	80% type.
Hold-up time	No hold-up time
Line regulation	$\pm 2\%$ maximum for any input voltage change between input voltage range
Load regulation	$\pm 5\%$ variations from minimum to maximum output current.
Insulation resistance	50Mohm minimum from input to output
Inrush current	40 AMPS @ 115 VAC; 80AMPS @ 230VAC at 25 $^{\circ}\text{C}$ cold start
Withstand voltage	4242VDC from input to output
Mean time between failure	100,000 hours minimum at full load at 25 $^{\circ}\text{C}$ ambient
EMI requirements	(A)EN55015 class B (B) EN55022 class B (C)FCC PART 15 B
Safety requirements	Design refer: EN61347-1 ; EN61347-2-13 ; EN60950-1(CCN FKSZ2/8) ; UL8750
Warranty	1 year
Dimension(mm)	246x45.8x30
Weight(g)	452g

## Mechanical Specification

UNIT: mm



### Type1:

AC input connector (CN2): DECA MB310-750M03 series or equivalent

Pin number	Assignment	Solid wire(AWG) Stranded wire (AWG / mm2)
1	AC-L	26~12AWG
2	AC-N	
3	AC-FG	

DC output connector (CN1): DECA MB310-750M02 series or equivalent

Pin number	Assignment	Solid wire(AWG) Stranded wire (AWG / mm2)
1	N.C.	26~12AWG
2	V-	
3	V+	
4	N.C.	

### Type2:

AC input connector (CN2): DINKLE 144RA-02P

Pin number	Assignment	Solid wire(AWG) Stranded wire (AWG / mm2)
1	AC-L	24~12
2	AC-N	24~12

DC output connector (CN1): DINKLE 144RA-04P

Pin number	Assignment	Solid wire(AWG) Stranded wire (AWG / mm2)
1	V-	24~12
2	V-	24~12
3	V+	24~12
4	V+	24~12

X=A (Class 1) or B (Class 2)

Model name	Output Voltage(VDC)	Output Current(A)	Max. Power(W)	EFF(%)	Ripple(mV)
LE61X-3	11~13V	5A MAX	60	78	180
LE61X-4	13~16V	4.61~3.75A	60	78	180
LE61X-5	16~21V	3.75~2.86A	60	78	200
LE61X-6	21~27V	2.86~2.23A	60	80	200
LE61X-7	27~33V	2.23~1.82A	60	80	240
LE61X-8	33~40V	1.82~1.50A	60	82	260
LE61X-9	40~50V	1.50~1.20A	60	82	300

