

# LC / LV Series

Single Output 1 ~ 18 Watts

## ► Features

- Universal AC input 90~264V AC.
- Meet RoHS requirements
- Class II power (w/o earth pin)
- Protections: SCP / OVP / OLP
- Suitable for outdoor use.
- LC series design with Constant Current
- LV series design with Constant Voltage
- Plastic cover of Insulation with IP65 level.
- 100% Burn-In test and 1 year warranty.

## ► Electrical Specifications

Input Voltage Range :

90~264V AC, 47 ~ 63 Hz, 0.6A

Power Efficiency :

Average > 75%

Operating temperature range:

-10 ~ 40°C at full load.

Operating Humidity:

10 ~ 90%

Withstand Voltage:

I/P~O/P: 3KV AC, I/P~FG: 1.5KV AC

Leakage Current:

<0.75mA/240V AC

MTBF:

70k hrs min.MIL-HDBK-217F (25°C)

## ► Safety Approval



## ► Output Loading

• 3 ~ 10 W (Constant Voltage Models)

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (V)	Dimension	Watts
LV2512-01	12V DC	250mA	Scerw	±10%	42 × 40 × 21 mm	3 W
LV5012-01	12V DC	500mA	Scerw	±10%	42 × 40 × 21 mm	6 W
LV1224-01	24V DC	120mA	Scerw	±10%	42 × 40 × 21 mm	3 W
LV2524-01	24V DC	250mA	Scerw	±10%	42 × 40 × 21 mm	6 W
LV2512-02	12V DC	250mA	Stripped	±10%	70 × 35 × 23 mm	3 W
LV5012-02	12V DC	500mA	Stripped	±10%	70 × 35 × 23 mm	6 W
LV8312-02	12V DC	830mA	Stripped	±10%	70 × 35 × 23 mm	10 W
LV1224-02	24V DC	120mA	Stripped	±10%	70 × 35 × 23 mm	3 W
LV2524-02	24V DC	250mA	Stripped	±10%	70 × 35 × 23 mm	6 W
LV4124-02	24V DC	410mA	Stripped	±10%	70 × 35 × 23 mm	10 W
LV2512-03	12V DC	250mA	Scerw	±10%	86 × 45 × 26 mm	3 W
LV5012-03	12V DC	500mA	Scerw	±10%	86 × 45 × 26 mm	6 W
LV8312-03	12V DC	830mA	Scerw	±10%	86 × 45 × 26 mm	10 W
LV1224-03	24V DC	120mA	Scerw	±10%	86 × 45 × 26 mm	3 W
LV2524-03	24V DC	250mA	Scerw	±10%	86 × 45 × 26 mm	6 W
LV4124-03	24V DC	410mA	Scerw	±10%	86 × 45 × 26 mm	10 W

• 1 ~ 18 W (Constant Current Models)

Model No.	Output Voltage	Rated Current	Connector type	Tolerance (A)	Dimension	Watts
LC3512-01	3-12V DC	350mA	Scerw	±6%	42 × 40 × 21 mm	1~3 W
LC7012-01	3-12V DC	700mA	Scerw	±6%	42 × 40 × 21 mm	3 ~ 6 W
LC3512-02	3-12V DC	350mA	Stripped	±6%	70 × 35 × 23 mm	1 ~ 3 W
LC3536-02	3-36V DC	350mA	Stripped	±6%	70 × 35 × 23 mm	1 ~ 8 W
LC7012-02	3-12V DC	700mA	Stripped	±6%	70 × 35 × 23 mm	3 ~ 6 W
LC7021-02	3-21V DC	700mA	Stripped	±6%	70 × 35 × 23 mm	3 ~ 9 W
LC3512-03	3-12V DC	350mA	Scerw	±6%	86 × 45 × 26 mm	1 ~ 3 W
LC3536-03	3-36V DC	350mA	Scerw	±6%	86 × 45 × 26 mm	1 ~ 8 W
LC7012-03	3-12V DC	700mA	Scerw	±6%	86 × 45 × 26 mm	3 ~ 6 W
LC7021-03	3-21V DC	700mA	Scerw	±6%	86 × 45 × 26 mm	3 ~ 9 W
LC3554-04	10-54V DC/PFC	350mA	Stripped	±6%	141 × 45 × 26mm	3 ~ 16 W
LC7034-04	3-34V DC/PFC	700mA	Stripped	±6%	141 × 45 × 26 mm	3 ~ 18 W
LC3512-06	3-12V DC	350mA	Stripped	±6%	46 × 43 × 23 mm	2 W
LC7012-06	3-12V DC	700mA	Stripped	±6%	46 × 43 × 23 mm	3 W
LC3512-08	3-12V DC	350mA	Stripped	±6%	37 × 29 × 22 mm	1 ~ 3 W
LC3536-08	3-36V DC	350mA	Stripped	±6%	37 × 29 × 22 mm	1 ~ 8 W
LC7012-08	3-12V DC	700mA	Stripped	±6%	46 × 43 × 23 mm	3 ~ 6 W
LC7021-08	3-21V DC	700mA	Stripped	±6%	46 × 43 × 23 mm	3 ~ 9 W

# LS10P / 35P Series

Single Output 12 / 35 Watts

(With PFC)



## ► Features

- Universal AC input 90~264V AC.
- Design with PFC function  $\geq 0.9$  / 115V AC
- Class II power (w/o earth pin)
- Protections: SCP / OVP / OLP
- Suitable for outdoor use.
- Constant current design for Hi-Power LED applications
- Plastic cover of Insulation with IP67 level.
- 100% Burn-In test and 1 year warranty.
- Dimming control (PWM / DC) available

## ► Electrical Specifications

Input Voltage Range :

90 ~ 264V AC, 47 ~ 63 Hz, 0.2A

Power Efficiency :

Average > 80%

Operating temperature range:

-10 ~ 70°C at full load.

Operating Humidity:

20 ~ 90%

Withstand Voltage:

I/P~O/P: 3.6KV AC

Leakage Current:

<0.25mA / 230V AC

MTBF:

200k hrs min.MIL-HDBK-217F(25°C)

## ► Safety Approval



## ► Output Loading

12 W (Constant Current Models)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS10P-36	13-36V DC	350mA	83%	Stripped	±10%	108 × 30.5 × 26 mm	12 W
LS10P-18	7-18V DC	700mA	81%	Stripped	±10%	108 × 30.5 × 26 mm	12 W

12 W (Constant Current Models + Dimming Function)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS10P-35A	4-35V DC	350mA	80%	Stripped	±10%	108 × 30.5 × 26 mm	12 W
LS10P-17A	4-17V DC	700mA	80%	Stripped	±10%	108 × 30.5 × 26 mm	12 W

Dimming Control:

1.PWM dimming:  $0 < V_{adj} < 1.25V$  (3KHz Max.)

2.Analog Dimming Control :control by external voltage 0.25 ~ 1.25V DC

35 W (Constant Current Models)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS35P-30	5-31V DC	1050mA	86%	Stripped	±10%	163 × 45 × 35 mm	33 W
LS35P-48	5-48V DC	700mA	87%	Stripped	±10%	163 × 45 × 35 mm	33 W

35 W (Constant Current Models + Dimming Function)

Model No.	Output Voltage	Rated Current	Efficiency	Connector type	Tolerance (A)	Dimension	Watts
LS35P-48A	9-48V DC	700mA	84%	Stripped	±5%	163 × 45 × 35 mm	33 W

Dimming Control:

1.PWM dimming:  $0 < V_{adj} < 1.25V$  (200 ~ 1K Hz)

2.Analog Dimming Control :control by external voltage 0.25 ~ 1.25V DC