



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





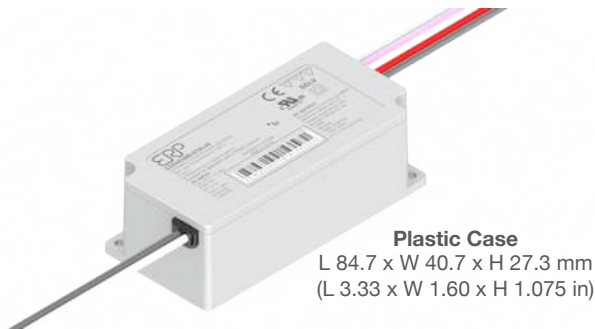
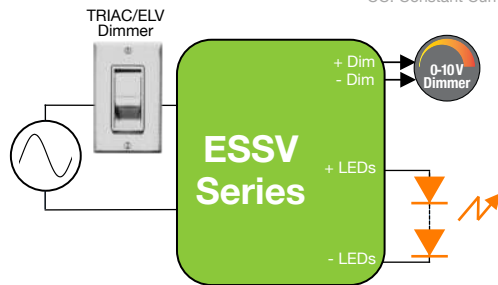
ESSV Series

ESSV010	6-10 W
ESSV015	11-15 W
ESSV030	21-30 W
ESSV040	31-40 W

CC LED Drivers with Tri-Mode Dimming™ (0-10 V & TRIAC/ELV), UL Class P and 5VA

Nominal Input Voltage	Max. Output Power	Output Voltage	Output Current	Efficiency	Max. Case Temperature	THD	Power Factor	Dimming Method	Dimming Range	Startup Time
120 to 277 Vac	40 W	20 to 42 Vdc	250 to 1400 mA CC	up to 87% typical	90°C (measured at the hot spot)	< 20%	> 0.9	Forward-Phase, Reverse-Phase & 0 - 10V	1 - 100% (% of Iout)	300 ms typical

CC: Constant Current



ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range (Vdc)	
				Min	Max
ESSV010W: up to 10 W					
ESSV010W-0250-42	120 to 277	250	10.5	24	42
ESSV015W: 11 to 15 W					
ESSV015W-0300-42	120 to 277	300	12.6	24	42
ESSV020W: 16 to 20 W					
ESSV020W-0400-42	120 to 277	400	16.8	24	42
ESSV030W: 21 to 30 W					
ESSV030W-0500-42	120 to 277	500	21.0	24	42
ESSV030W-0620-42	120 to 277	620	26.0	24	42
ESSV030W-0700-42	120 to 277	700	29.4	24	42
ESSV040W: 31 to 40 W					
ESSV040W-0900-42	120 to 277	900	37.8	24	42
ESSV040W-1400-27	120 to 277	1400	37.8	20	27

For additional options of output current and output voltage, contact your sales representative or send an email to: SaveEnergy@erp-power.com

APPLICATIONS

- Commercial lighting
- Architectural lighting
- Residential lighting
- Wide-area downlights

FEATURES

- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- Linear 0-10V dimming transfer function (10V=100%, 1V=10%, 0.1V=1%). Non-linear 0-10V dimming profile available upon request.
- Lifetime: 50,000 hours min at 70°C case temperature
- Protections: output open load, over-current and short-circuit (hiccup), and over-temperature with auto recovery
- Conducted and radiated EMI: Compliant with FCC CFR Title 47 Part 15 Class B (120 Vac)/Class A (277 Vac) and EN55015 (CISPR 15) at 220/230/240 Vac
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- IP66-rated thermally-enhanced case with silicone-based potting
- UL class P
- 5VA flammability rating
- 90°C maximum case hot spot temperature
- Class 2 power supply



CHINA Operations
tel: +86-756-6266298
No. 8 Pingdong Road 2
Zhuhai, Guangdong, China 519060

www.erp-power.com

SaveEnergy@erp-power.com

USA Headquarters
tel: +1-805-517-1300
893 Patriot Drive, Suite E
Moorpark, CA 93021, USA