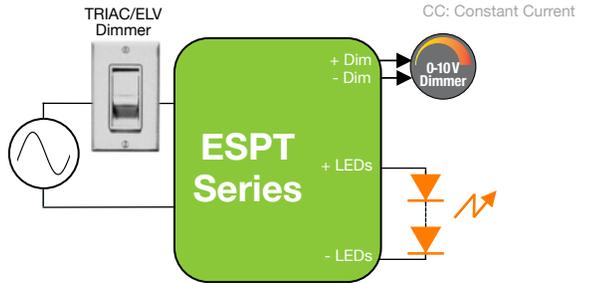


40 to 60 W Constant Current LED Drivers with Tri-Mode Dimming™ (TRIAC, ELV & 0-10 V)

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, 220 to 240 Vac	60 W	24 to 56 Vdc	700 mA to 1.4 A 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)	400 ms



FEATURES

- Same features as the ESP series but with a thermally-enhanced plastic case
- Compatible with TRIAC (forward-phase or leading-edge), ELV (reverse-phase or trailing-edge) and 0-10 V dimmers
- ESPTxxxW models: TRIAC and ELV dimming only at 120 Vac
- ESPTxxxE models: ELV dimming only at 230 Vac
- 90°C maximum case hot spot temperature
- Class 2 power supply
- Lifetime: 50,000 hours at 70°C case hot spot temperature (some models have higher lifetime. Check lifetime curves in page 6)
- IP66-rated case with silicone-based potting
- Two 0-10V dimming profiles are available:
 - Linear 0-10 V dimming: 10V=100%, 1V=10%, 0.1V=1%.
 - Non-linear 0-10V dimming: 10V to 8.1V=100%, 1V to 0.8V=1%, <0.8V dim-to-off.
- 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) and Class A (277 Vac)
- Complies with ENERGY STAR®, DLC (DesignLight Consortium®) and CA Title 24 technical requirements
- Worldwide safety approvals

	ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range	
					Min	Max
120-277 VAC NOMINAL INPUT VOLTAGE	ESPT040W: 30-40W					
	ESPT040W-0700-56	120 - 277	700	39.2	40	56
	ESPT040W-0800-42-Z1 ⁽¹⁾	120 - 277	800	33.6	24	42
	ESPT040W-0900-42-Z1 ⁽¹⁾	120 - 277	900	37.8	24	42
	ESPT050W: 41-50W					
	ESPT050W-1050-42-Z1 ⁽¹⁾	120 - 277	1050	44.1	24	42
220-240 VAC NOMINAL INPUT VOLTAGE	ESPT040E: 30 to 40 W					
	ESPT040E-0800-42	220/230/240	800	33.6	24	42
	ESPT040E-0900-42	220/230/240	900	37.8	24	42
	ESPT050E: 41 to 50 W					
	ESPT050E-1050-42	220/230/240	1050	44.1	24	42
	ESPT050E-1200-42	220/230/240	1200	50.4	24	42
ESPT060E: 41 to 50 W						
ESPT060E-1400-42	220/230/240	1400	58.8	24	42	

Notes:

- 1) ESPT models with the "-Z1" suffix exhibit a non-linear 0-10V dimming profile with dim-to-off: 10V to 8.1V=100%, 1V to 0.8V=1%, <0.8V dim-to-off.
- 2) The ESPT driver case must be mounted by using a minimum of two metal clips. By default, the ESPT driver is shipped with 2 metal clips. Additional metal clips can be ordered with the following part numbers:
 - ESPT-CLIPS-100: bag of 100 clips
 - ESPT-CLIPS-1k: bag of 1000 clips
- 3) For additional options of output current and output voltage, contact your sales representative or send an email to: SaveEnergy@ERP-Power.com

APPLICATIONS

- Indoor & outdoor
- Recessed lighting (downlights)
- Commercial & residential lighting
- Architectural lighting
- Office Lighting



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ERP Power:

[ESPT050W-1200-42-Z1](#) [ESPT040W-0700-56](#) [ESPT050E-1050-42](#) [ESPT050E-1200-42](#) [ESPT040E-0800-42](#)
[ESPT050W-1400-34](#) [ESPT060E-1400-42](#) [ESPT040W-0900-42-Z1](#) [ESPT040E-0900-42](#) [ESPT040W-0800-42-Z1](#)
[ESPT050W-1050-42-Z1](#) [ESPT060W-1400-42-Z1](#)