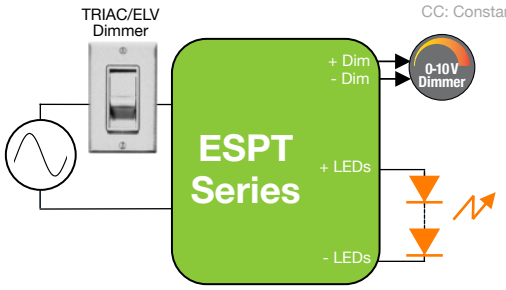
ESPT Series

ESPT040 31-40 W
ESPT050 41-50 W
ESPT060 51-60 W

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

CC: Constant Current



Plastic Case
L 87 x W 60 x H 30mm
(L 3.43 x W 2.36 x H 1.18 in)

	ERP Part Number	Nominal Input Voltage (Vac)	Iout (mA)	Max Output Power (W)	Output Voltage Range Min	Output Voltage Range 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
	ESPT050W-1200-42-Z1(1)	120 - 277	1200	50.4	24	42
	ESPT050W-1400-34	120 - 277	1400	47.6	23	34
	ESPT060W: 51-60W					
	ESPT060W-1400-42-Z1(1)	120 - 277	1400	58.8	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" suffi x 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*

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

APPLICATIONS

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

CA Title 24

5 Year Warranty - 5 Year Warranty

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