

POWER SUPPLIES SERIES E24

High quality plug-in power supplies

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
 bidb power output
- high power output
- no load power consumption under 100 mW

APPLICATIONS:

- consumer electronics
- telecommunication devices
- electronic office equipment
- hardware
- home and building automation system
- audio-visual equipment
- cash registers and vending machines

E24 is a series of small and efficient 24 W plug-in power supplies with universal application. Its design is based on high-quality electronic components that allow for continuous, long-term operation. It is reliable, fully protected and stable. Provides high efficiency and excellent specification. 5 years warranty included.



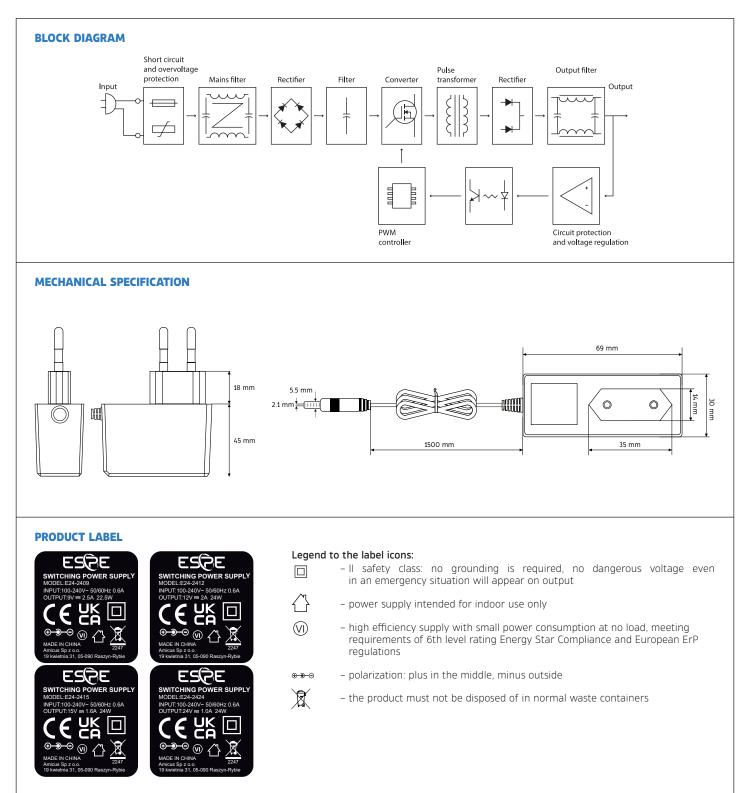
Group	Parameter	E24-2409	E24-2412	E24-2415	E24-2424	Conditions
Input	Rated input voltage		100-24			
	Input voltage range	90-264 VAC				
	Mains frequency range		47-6			
	AC current (max.)	0.6 A				At 100 VAC
	Inrush current (max.)	50 A	50 A	60 A	90 A	At 240 VAC
	No load power consumption	01W				
	Input leakage current (max.)	0.15 mA				At 240 VAC
	Power factor correction	No				
	Power factor (typ.)	0.54				
	Rated output voltage	9 V	12 V	15 V	24 V	
	Rated output power	22.5 W		24 W		
Output	Rated output current	2.5 A	2 A	1.6 A	1 A	
	Energy efficiency		86.	At 230 VAC		
	Energy conversion efficiency at 10% load	Over 83%	Over 82%	Over 81%	Over 80%	
	Energy efficiency class		DoE Lev			
	Line regulation		±2			
	Load regulation	±4%	±3,5%	±3%	±2,5%	
	Ripples and noise	150 mVp-p	100 mVp-p	150 mVp-p	100 mVp-p	At 230 VAC
	Minimal output current required	No				
	Hold up time (max.)	3 ms				At 100 VAC
	DC voltage rise time (max.)		30 ms			At 100 VAC
	Turn on delay time (max.)	1 s				At 100 VAC
	Working temperature range	−5 to +40°C				
Environmental	Working humidity range	5% to 95% RH				40°C
	Storage temperature range	-40℃ to +85℃				
	Cooling method	Free air circulation				Convection cooling
Protection	Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP				
	Output: overcurrent (OCP), short circuit (SCP)	OCP (120-140%), SCP, OVP				
	Output overvoltage protection	Yes, 17 V	Yes, 19 V	Yes, 27 V	Yes, 36 V	
	Transient voltage protection	Yes				MOV protection
	Thermal protection		Ye			
	Automatic recovery on fault remove		Ye			
Safety and EMC	Withstand isolation voltage (min.)	3 kVAC				Input to output, 5 mA, 1 min
	Isolation resistance (min.)		100	500 VDC		
	Isolation class	2				Reinforced isolation
	Safety compliance	EN62368-1:2020+A11:2020				
	EMC compliance	EN55032 Class B; EN61000-4-2 (8/6 kV), -4-4 & -4-5 (1 kV)				
	Marking		CE, UKC			

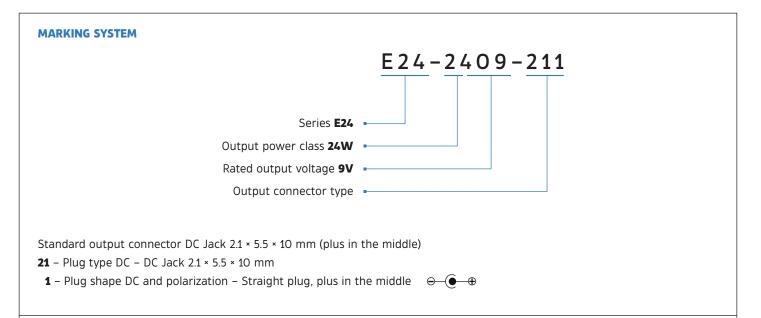


Mechanical and features	Enclosure type	Black ABS plastic				
	Dimensions	70 × 30 × 64 mm				
	Weight	100 g				
	Output connector	DC Jack 2.1 × 5,5 × 10 mm				Plus in the middle
	Input connector	EU plug				
	Output cable	1.5 m, AWG20 1	1.5 m, AWG22	1.5 m, AWG22	1.5 m, AWG24	
	Single package size	100 x 90 x 35 mm				
	Packing	472 x 290 x 310 mm				105 items
	Manufacturing	China				
	Warranty	5 years				
	MTBF	100 000 h				At 25℃

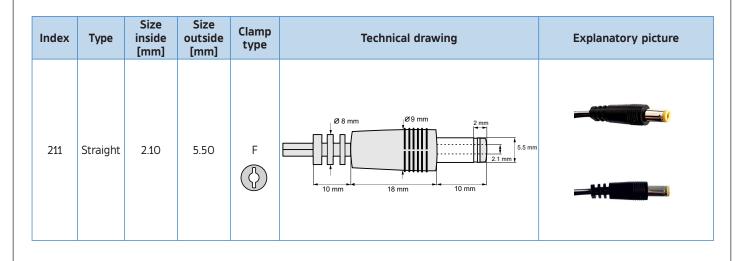
Notes:

Unless otherwise stated, all parameters are specified at 230 VAC input voltage, 50 Hz, ambient temperature 25°C and relative humidity 70% for rated load output. The values of parameters related to the output voltage regulation is measured from low to high line or for load changes from 0 to 100%, respectively. The power supply is considered as an independent unit, but the final equipment still need to reconfirm that the whole system complies with the EMC directives. If the PSU is installed in the final device as a subassembly, the tests should be repeated to verify that the system has been met compliance. Detailed technical data are available on request.

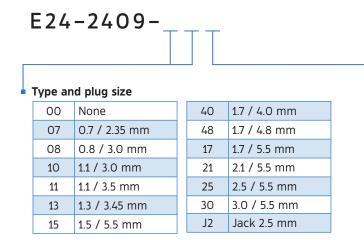




STANDARD OUTPUT DC 211 CONNECTOR



VARIANTS OF OUTPUT DC CONNECTORS



Plug shape and polarization

0	None
1	Straight
2	Angled
3	Straight (CN – reversed polarization)
4	Angled (CN – reversed polarization
6	Socket
7	Socket (CN – reversed polarization)