

CE UK RoHS

POWER SUPPLIES SERIES E12

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

E12 is a series of small and efficient 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.



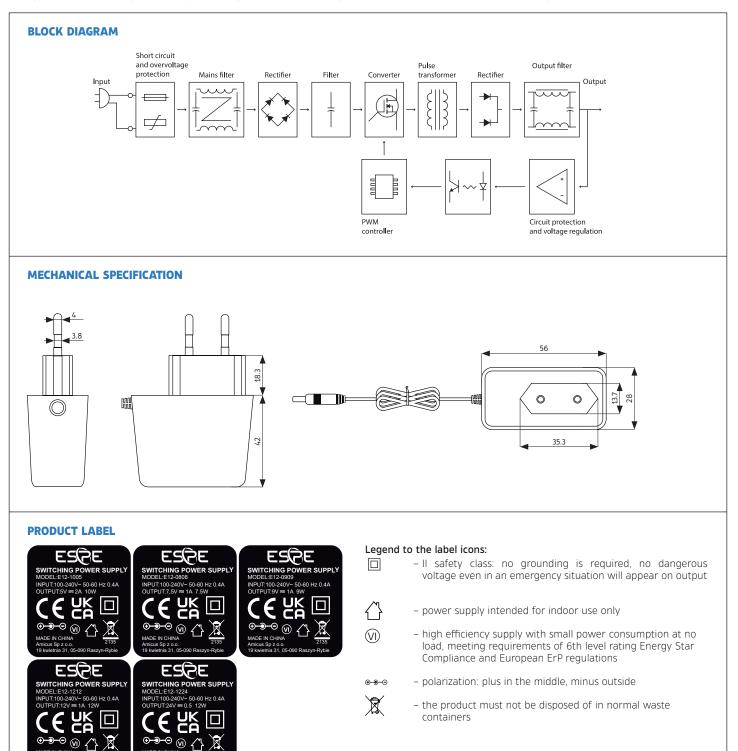
Group	Parameter	E12-1005	E12-0808	E12-0909	E12-1212	E12-1224	Conditions
	Rated input voltage						
	Input voltage range						
	Mains frequency range						
	AC current (max.)			At 100 VAC			
Input	Inrush current (max.)	70 A	50 A	80 A	70 A	50 A	At 240 VAC
	No load power consumption	90 mW	0,1 W	0,1 W	75 mW	0.1 W	
	Input leakage current (max.)	0.2 mA	0.2 mA	0.1 mA	0.15 mA	0.2 mA	At 240 VAC
	Power factor correction						
	Power factor (typ.)	0.5	0.47	0.43	0.5	0.47	
	Rated output voltage	5 V	7.5 V	9 V	12 V	24 V	
	Rated output power	10 W	7.5 W	9 W	12 W	12 W	
	Rated output current	2 A	1 A	1 A	1 A	0.5 A	
	Energy efficiency	80%	80.3%	81.3%	84%	83%	At 230 VAC
	Energy conversion efficiency at 10% load	77%	68%	76%	78%	77%	
	Energy efficiency class		Do				
Output	Line regulation	±2%	±1% ±2%				
	Load regulation	±5%		±3%		±5%	
	Ripples and noise	120 mVp-p	150 mVp-p	120 mVp-p	120 mVp-p	150 mVp-p	At 100 VAC
	Minimal output current required						
	Hold up time (max.)			At 100 VAC			
	DC voltage rise time (max.)			At 100 VAC			
	Turn on delay time (max.)			At 100 VAC			
	Working temperature range						
	Working humidity range		5'	40°C			
Environmental	Storage temperature range		-				
	Cooling method		Fre				
	Input: overvoltage (OVP), undervoltage (UVP)						
	Output: overcurrent (OCP), short circuit (SCP), overvoltage (OVP)	OCP (120- 135%)	OCP (110- 140%)	OCP (120- 150%)	OCP (115- 135%)	OCP (110- 140%)	
Protection	Output overvoltage protection	Yes, 10 V	Yes, 12 V	Yes, 15 V	Yes, 19 V	Yes, 36 V	
	Transient voltage protection			MOV protection			
	Thermal protection						
	Automatic recovery on fault remove						
	Withstand isolation voltage			Input to output, 5 mA, 1 mir			
afety and EMC	Isolation resistance (min.)			500 VDC			
	Isolation class						
	Safety compliance		EN6236				
	EMC compliance	EN55032 C	lass B, EN61				
	Marking		CI				

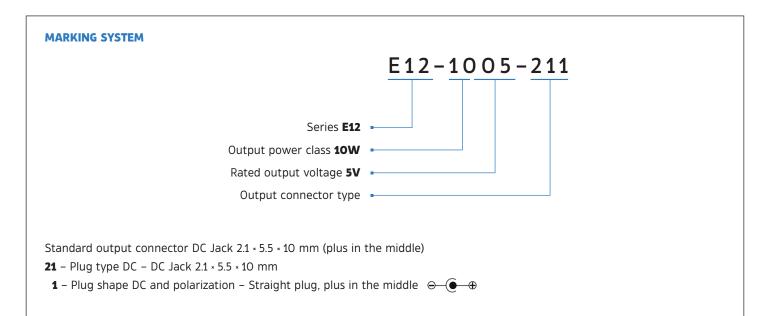


Mechanical and features	Enclosure		Bla				
	Dimension	56 × 28 × 42 mm					
	Weight	80 g	68 g	72 g	70 g	80 g	
	Output connector	DC Jack 2.1 × 5.5 × 10 mm					Plus in the middle
	Input connector	EU plug					
	Output cable	1.5 m	1.2 m	1.2 m	1.5 m	1.5 m	
	Single package	85 x 80 x 30 mm					
	Packing	472 x 310 x 290 mm					105 items
	Manufacturing	China					
	Warranty	5 years					
	MTBF						

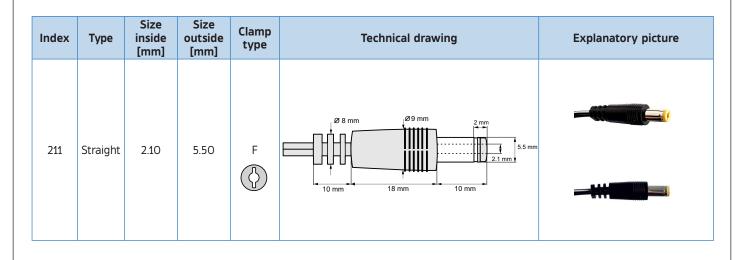
Notes:

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.

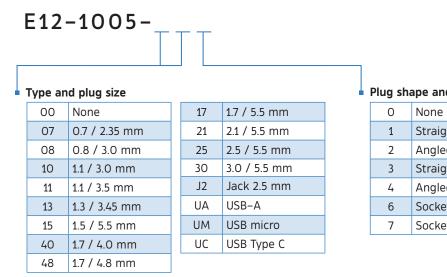




STANDARD OUTPUT DC 211 CONNECTOR



VARIANTS OF OUTPUT DC CONNECTORS



Plug shape and polarization

None
None
Straight
Angled
Straight (CN – reversed polarization)
Angled (CN – reversed polarization
Socket
Socket (CN – reversed polarization)