

High-quality desktop power supplies

FEATURES:

- compact design
- reliable and powerful
- compliant with Energy Star Compliance Level VI and ErP Ecodesign (Ecoproject)
- 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



E36T is a series of small and efficient 36 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.

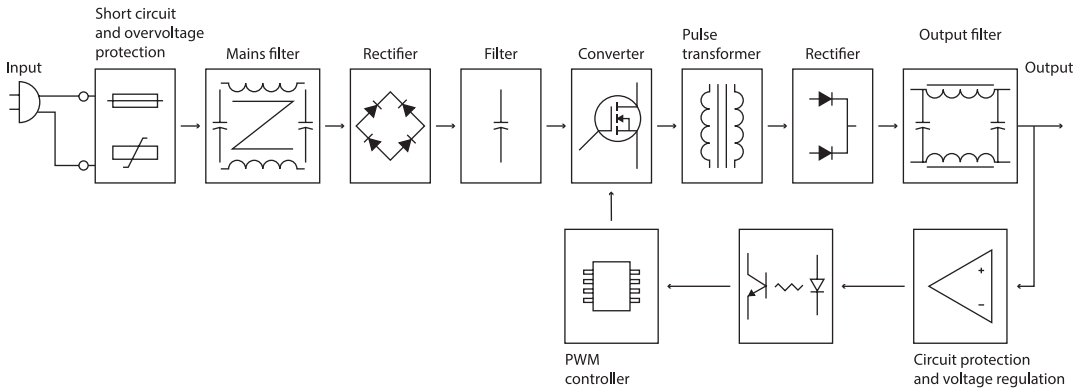
TECHNICAL SPECIFICATION

Group	Parameter	E36T-3612	E36T-3624	Conditions
Input	Rated input voltage	100–240 VAC		
	Input voltage range	90–264 VAC		
	Mains frequency range	47–63 Hz		
	AC current (max.)	1.2 A		At 100 VAC and full load
	Inrush current (max.)	70 A	50 A	At 240 VAC
	No load power consumption	0.1 W		
	Input leakage current (max.)	0.15 mA	0.25 mA	At 240 VAC
	Power factor correction	No		
	Power factor	0.50		
Output	Rated output voltage	12 V	24 V	
	Rated output power	36 W		
	Rated output current	3 A	1.5 A	
	Energy efficiency	Over 88,5%		At 230 VAC
	Energy conversion efficiency at 10% load	Over 85%	Over 83%	
	Energy efficiency class	DoE Level VI, ErP		
	Line regulation	±2%		
	Load regulation	±4%	±2%	
	Ripples and noise	100 mVp-p	120 mVp-p	At 100 VAC
	Minimal output current required	No		
	Hold up time (max.)	3 ms		At 100 VAC
	DC voltage rise time (max.)	80 ms		At 100 VAC
	Turn on delay time (max.)	1 s		At 100 VAC
Environmental	Working temperature range	–5 to +40°C		
	Working humidity range	5% to 95% RH		40°C
	Storage temperature range	–40°C to +85°C		
	Cooling method	Free air circulation		
Protection	Input: overvoltage (OVP), undervoltage (UVP)	OVP, UVP		
	Output: overcurrent (OCP), short circuit (SCP)	OCP (120–140%), SCP, OVP		
	Output overvoltage protection	19 V	36 V	
	Transient voltage protection	Yes		MOV protection
	Thermal protection	Yes		110°C
	Automatic recovery on fault remove	Yes		
Safety and EMC	Withstand isolation voltage (min.)	3 kVAC		Input to output, 5 mA, 1 min
	Isolation resistance (min.)	100 MΩ		500 VDC
	Isolation class	2		Reinforced isolation
	Safety compliance	EN62368-1:2020+A11:2020		
	EMC compliance	EN55032 Class B EN61000-4		
	Marking	CE, UKCA, RoHS		

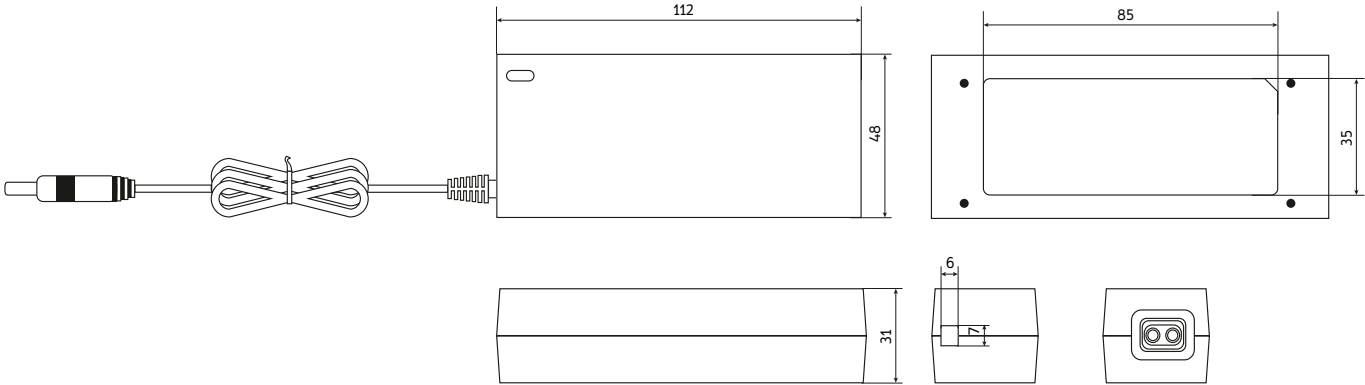
Mechanical and features	Enclosure	Black ABS plastic with LED	
	Dimensions	112 × 48 × 31 mm	
	Weight	153 g	
	Output connector	DC Jack 2.1 × 5.5 × 10 mm	Plus in the center
	Input connector	2-pin IEC C8 socket	
	Output cable	12 m AWG20, 0.52 mm ²	12 m AWG22, 0.32 mm ²
	Single package size	145 × 65 × 50 mm	
	Packing	472 × 310 × 290 mm	72 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 sub-assembly, the tests should be repeated to verify that the system has been met compliance. Detailed technical data are available on request.

BLOCK DIAGRAM



MECHANICAL SPECIFICATION



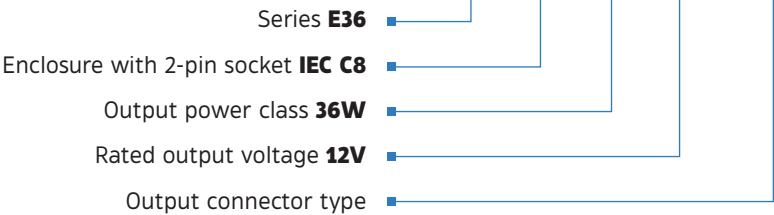
PRODUCT LABEL



- Legenda do ikon na etykiecie:**
- II safety class: no grounding is required, no dangerous voltage even in an emergency situation will appear on output
 - power supply intended for indoor use only
 - high efficiency supply with small power consumption at no load, meeting requirements of 6th level rating Energy Star Compliance and European ErP regulations
 - polarization: plus in the middle, minus outside
 - the product must not be disposed of in normal waste containers
 - maximum allowable power supply mounting height
 - high voltage inside the power supply enclosure warning
 - internal thermal fuse
 - degree of protection offered by electrical enclosures against intrusion from foreign objects (such as tools or dirt) and moisture according to PN-EN 60529:2003

MARKING SYSTEM

E 3 6 T - 3 6 1 2 - 2 1 1

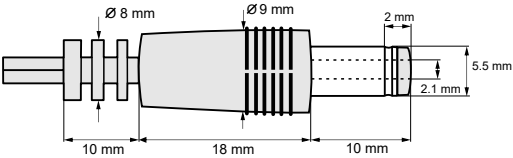



Standard output connector DC Jack 2.1 × 5.5 × 10 mm (plus in the center)

21 – Plug type DC – DC Jack 2.1 × 5.5 × 10 mm

1 – Plug shape DC and polarization – Straight plug, plus in the center ⊖ ⊕

STANDARD OUTPUT DC 211 CONNECTOR

Index	Type	Size inside [mm]	Size outside [mm]	Clamp type	Technical drawing	Explanatory picture
211	Straight	2.10	5.50	F		

VARIANTS OF OUTPUT DC CONNECTORS

E 3 6 T - 3 6 1 2 -

Type and plug size	Plug shape and polarization																												
<table><tr><td>00</td><td>None</td></tr><tr><td>07</td><td>0.7 / 2.35 mm</td></tr><tr><td>08</td><td>0.8 / 3.0 mm</td></tr><tr><td>10</td><td>1.1 / 3.0 mm</td></tr><tr><td>11</td><td>1.1 / 3.5 mm</td></tr><tr><td>13</td><td>1.3 / 3.45 mm</td></tr><tr><td>15</td><td>1.5 / 5.5 mm</td></tr></table>	00	None	07	0.7 / 2.35 mm	08	0.8 / 3.0 mm	10	1.1 / 3.0 mm	11	1.1 / 3.5 mm	13	1.3 / 3.45 mm	15	1.5 / 5.5 mm	<table><tr><td>0</td><td>None</td></tr><tr><td>1</td><td>Straight</td></tr><tr><td>2</td><td>Angled</td></tr><tr><td>3</td><td>Straight (CN – reversed polarization)</td></tr><tr><td>4</td><td>Angled (CN – reversed polarization)</td></tr><tr><td>6</td><td>Socket</td></tr><tr><td>7</td><td>Socket (CN – reversed polarization)</td></tr></table>	0	None	1	Straight	2	Angled	3	Straight (CN – reversed polarization)	4	Angled (CN – reversed polarization)	6	Socket	7	Socket (CN – reversed polarization)
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