INTEGRATED POWER DESIGNS

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ELS-120 SERIES OPERATING INSTRUCTIONS

INPUT RATING: 100-240VAC, 5A, 50-60 Hz.

OUTPUT RATING: 120-150 Watts Maximum Total Continuous Output Power Internal Fan Cooled.
Refer to Product Data Sheet for additional derating requirements.

MODEL LISTING:

MODEL	OUTPUT 1	OUTPUT 2	OUTPUT 3	POWER OUT (MAX)
ELS-120-3001	+5V/12A	+24V/3A	-12V/1A	120 W
ELS-120-3002	+5V/12A	+24V/3A	-15V/1A	120 W
ELS-120-3003	+5V/12A	+12V/3A	-12V/2A	120 W
ELS-120-3004	+5V/12A	+15V/2A	-15V/2A	120 W
ELS-120-3005	+5V/12A	+24V/3A	-24V/1A	120 W
ELS-120-3006	+12V/7A	+24V/1A	-5V/2A	120 W
ELS-120-3007	+24V/4A	+5V/2A	-12V/1A	120 W
ELS-120-3008	+24V/4A	+5V/2A	-15V/1A	120 W
ELS-120-2001	+5V/12A	+12V/5A	-	120 W
ELS-120-2002	+5V/12A	+15V/4A	-	120 W
ELS-120-2003	+5V/12A	+24V/3A	-	120 W
ELS-120-2004	+12V/9A	+5V/3A	-	120 W
ELS-120-2005	+12V/8A	-12V/2A	-	120 W
ELS-120-2006	+12V/8A	+15V/2A	-	120 W
ELS-120-2007	+12V/8A	+24V/1A	-	120 W
ELS-120-2008	+15V/8A	-15V/2A	-	120 W
ELS-120-2009	+24V/4A	+12V/2A	-	120 W
ELS-120-2010	+24V/4A	+15V/2A	-	120 W
ELS-120-1001	12V/12.5A	-	-	150 W
ELS-120-1002	15V/10.0A	-	-	150 W
ELS-120-1003	24V/6.3A	-	-	150 W

NOTES:

1. Suffix added to the model number indicates the following configurations:
   C14 – Class I AC Input, IEC320-C14, Standard
   C6 – Class I AC Input, IEC320-C6, Option
   IO – Isolated Outputs
   WT – Low Temperature Turn On

DECLARATION OF CONFORMITY

Manufacturer: Integrated Power Designs, Inc.
Manufacturer's Address: 300 Stewart Road, Wilkes-Barre, PA 18706 USA
Product Type: Switchmode AC-DC Power Supply

Declares all models listed above including all options are in compliance with the following European Community Directives:

Low Voltage Directive 2014/35/EU of 26 February 2014
RoHS Directive 2015/863/EU of 31 March 2015
EMC Directive 2014/30/EU of 29 March 2014

As well as with the requirements set out in the Laws of the United Kingdom relating to and applying the following standards:

Electrical Equipment (Safety) Regulations 2016 SI No. 1101
BS EN 62368-1:2014/A11:2017
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 SI No. 3032 + 2019 SI No.492
Electromagnetic Compatibility Regulations 2016 SI No. 1091
BS EN 55032:2015/AC:2016 Class B
BS EN 61000-3-2:2014
BS EN 61000-3-3:2013

In addition, all models are Certified to be in compliance with applicable requirements of UL 62368-1:2014, ANSI/AAMI ES6061-1:2005 (R) 2012, IEC 62368-1:2014+A11:2017 and IEC 60601-1:2005/A1:2012 including all EU national deviations, CAN/CSA C22.2 No. 62368-1-14, CAN/CSA-C22.2 No. 60601-1:2014, EN 62368-1:2014/A11:2017 and EN 60601-1:2006/ A1:2012.

BY: John Thompson - President
John Thompson
PLACE: Integrated Power Designs
300 Stewart Road, Wilkes-Barre, PA 18706 USA
DATE: March 24, 2025

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CLASSIFICATION:

1. Protection against electric shock - Class I.
2. Protection against harmful ingress of particulate and water – IPX30.
3. Suitability for use in an oxygen rich environment - End user responsibility, not evaluated.

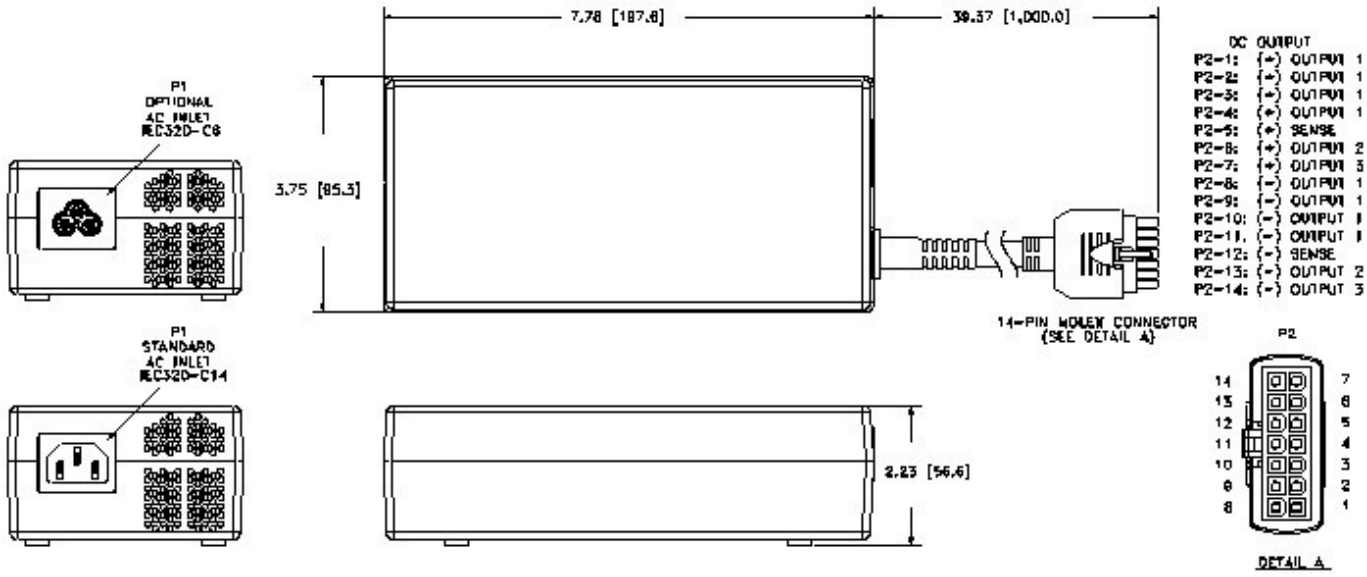
IMPORTANT SAFETY PRECAUTIONS:

- Only use an AC line cord with appropriate IEC320 connector and recommended DC output mating connector.
- Firmly connect AC line cord and DC power cord in place.
- Unit does not have any user-serviceable components. Do not open the device, or make any attempt to disassemble or modify it.
- For indoor use only. Avoid placing this product in direct sunlight, or operating in temperatures below -20°C or above 70°C.
- Position unit in well-ventilated area.
- Do not rest any object on the unit, or block the ventilation holes during operation.
- When in use, maintain horizontal position with rubber feet facing down onto a flat surface.
- Do not operate this product with damaged input/output cords or connectors.
- Insure that the supply voltage for this external power supply is within safe operating range, as shown in the nameplate data label located on the bottom of the unit.

DISPOSAL:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities instead . Contact your local authorities for information regarding the collection systems available. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

DIMENSIONS:



CONNECTOR SPECIFICATIONS:

P1-Class I (AC Input)	IEC320-C14.
P1-Class I (Optional AC Input)	IEC320-C6.
P2 (DC Outputs 1-3)	Molex Mini-Fit Jr., 39-01-2145. Mates with 5559 Mini-Fit Jr. or equivalent housing with 5558 Mini-Fit or equivalent crimp terminal.