

Features

- Universal Input 90~264V AC
- Approved to UKCA, CE, CCC, TUV, cULus, RCM (C-Tick), FCC, RoHS
- EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 24V DC
- OVP, OCP, OTP, SCP



Ideal Power's 5210952E-24-3A 90W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, CCC, TUV, cULus, RCM (C-Tick), FCC, RoHS & EN 62368-1 Standards and comply with (EU) 2019/1782, Level VI Efficiency Regulations. These are primarily used in ITE, Audio & Video Industries and customised solutions are available upon request.

Models

Model Number	Output Voltage	Output Current	Output Power	Efficiency
5210952E-24-3A	24V DC	3.75A	90W	89%

Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90	--	264	V AC	100-240VAC +/- 10%
Input Frequency	47	--	63	Hz	60Hz/50Hz Nominal
Input Current	--	--	1.5	A	at 115V AC Input & Full load
	--	--	0.75	A	at 230 V AC Input & Full load
Inrush Current	--	--	60	A	at 110V AC At cold start, maximum load.
	--	--	120	A	at 220V AC At cold start, maximum load.
Leakage Current	--	--	0.25	mA	at 240V AC / 50Hz

Output Data

	Min	Typical	Max	Units	Notes
Output Current Range	0.0	--	3.75	A	
Output Voltage Range	22.8	--	25.2	V	
Ripple & Noise	--	--	360	mVpp	
Over Current Protection	110~170% of rated output current. Will recover if fault condition is removed				
Over Voltage Protection	110~150% Max. of the rated output voltage, Will recover if fault condition is removed				
Short Circuit Protection	The output should shut-down when subjected to a short circuit(R<0.3R). Will recover if fault condition is removed				
Over Temperature Protection	The output should shut-down and latch off when TR1(NTC) temperature reach				

Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0	--	+40	°C	
Storage Temperature	-20	--	+85	°C	
Operating Humidity	10	--	90	%	non condensing
Relative Humidity	5	--	90	%	non condensing

Other Information

	Notes
Dielectric Strength	Primary to Secondary: 4242V DC / 5mAMax / 60second(3 seconds for mass production)
MTBF	100,000 hrs at 25°C
Weight	450g
Dimensions	133x59x34mm
Output Cord	16AWG UL1185,1.2M Black
Output Connector	2.1mm x 5.5m x 12.0mm

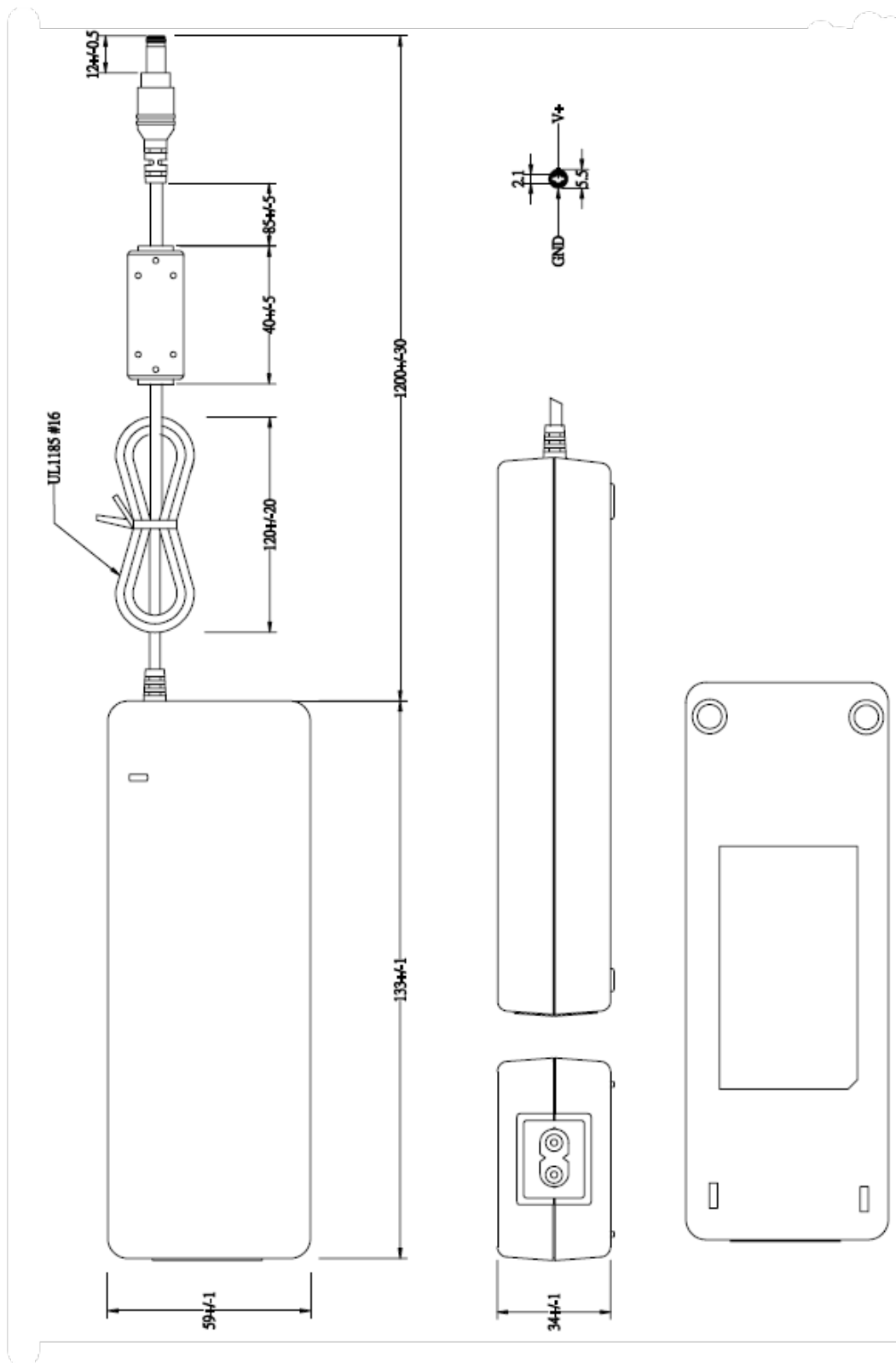
Safety Approvals

	Safety Standards
Safety Standards	EN 62368-1
Approvals	UKCA, CE, CCC, TUV, cULus, RCM (C-Tick), FCC, RoHS

EMI/EMS Standards

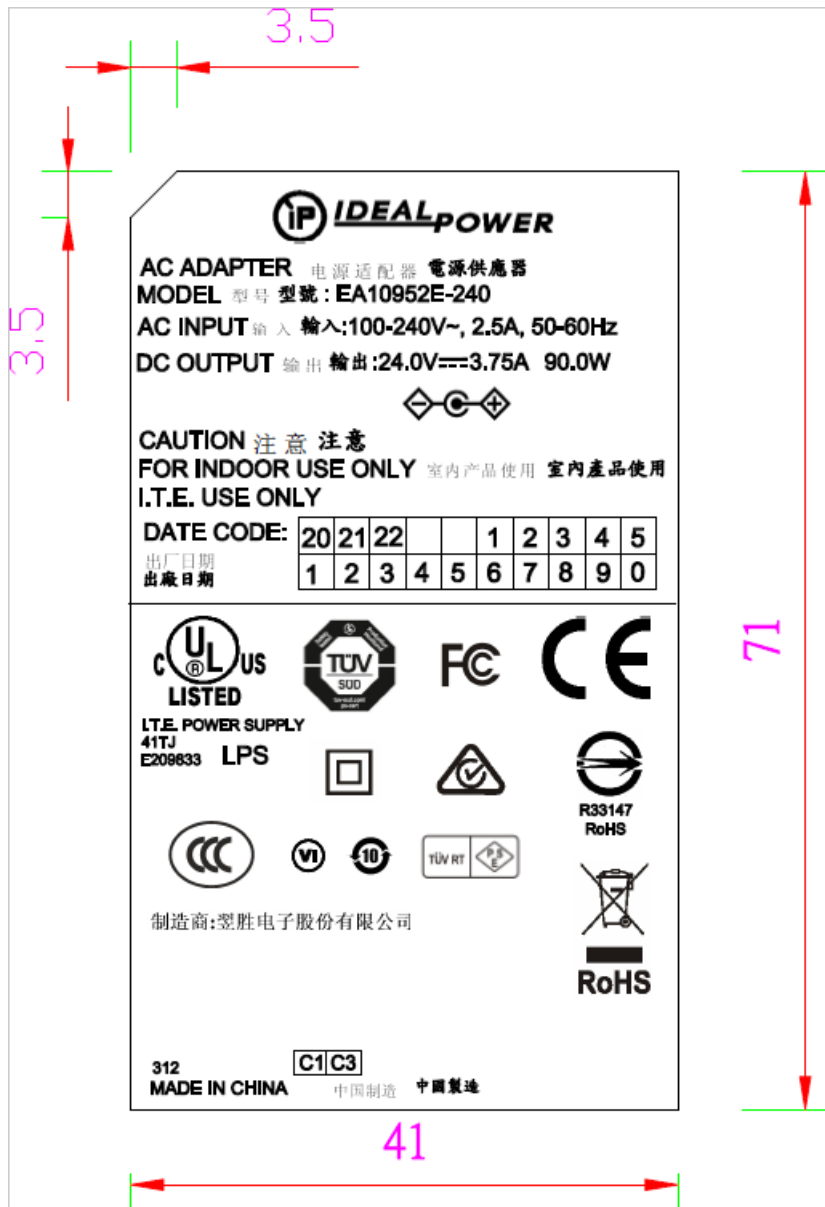
	Test Level	Test Criteria
EMI	EN 55032, CISPR 22, FCC PART 15	Class B
EMS	EN 55024	
ESD	IEC 61000-4-2, Air discharge +/-8KV, Contact discharge +/-4KV	Pass B
RS	IEC 61000-4-3 Frequency: 80~1000MHz Field Strength: 3V/M, 80% AM(1KHz)	
EFT	IEC 61000-4-4, AC-Input 1.0KV AC power ports	Pass A/B
Surge Voltage	IEC 61000-4-5 Differential mode +/-1KV. Common mode +/-1KV	Pass A

Mechanical Drawing



AC – DC

Label



iP IDEALpower

AC ADAPTER 电源适配器 電源供應器
MODEL 型号 型号: EA10952E-240
AC INPUT 输入 输入:100-240V~, 2.5A, 50-60Hz
DC OUTPUT 输出 输出:24.0V===3.75A 90.0W

CAUTION 注意 注意
FOR INDOOR USE ONLY 室内产品使用 室内产品使用
I.T.E. USE ONLY

DATE CODE:

20	21	22		1	2	3	4	5	
1	2	3	4	5	6	7	8	9	0

UL LISTED
 TUV SUD
 FC
 CE
 L.T.E. POWER SUPPLY
 41TJ
 E209833 LPS
 R33147
 RoHS
 312
MADE IN CHINA 中国制造 中国製造

P/N.: 312
 Background: Black color
 Character: Silver color
 Unit: mm

AC - DC