



## Features

- Universal input 100-240VAC
- Interchangeable Power Supply
- Approved to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS
- UL/IEC/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 5-30V DC
- OVP, OCP, OTP, SCP



Ideal Power's 15DYS824-xyW-K 24W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS, REACH & UL/IEC/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 (V DC)	Output Current (A)	Output Power (W)	Efficiency (%)
15DYS824-120200W-K-RS-2.5	12	2	24	86.2
15DYS824-240100W-K-RS-2.5	24	1	24	86.2

### Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90	--	264	V AC	100-240VAC +/- 10%
Input Frequency	47	--	63	Hz	50-60Hz +/- 5%
Input Current	--	--	0.7	A	
Inrush Current	0	--	60	A	At cold start, 100 / 240V AC
Leakage Current	--	--	0.25	mA	

### Output Data

	Min	Typical	Max	Units	Notes
Output Voltage Range	11.4	--	25.2	V	
Ripple & Noise	--	150	--	mVp-p	
Line Regulation	--	3	--	%	
Load Regulation	--	5	--	%	
Over Current Protection	Will recover if fault condition is removed				
Short Circuit Protection	Will recover if fault condition is removed				
Over Voltage Protection	Will recover if fault condition is removed				



### Environmental Data

	Min	Typical	Max	Units	Notes
Operating Temperature	0	--	+40	°C	
Storage Temperature	-20	--	+80	°C	
Operating Humidity	10	--	90	%	Operating 10% to 90%
Operating Humidity	5	--	95	%	Storage 5% to 95%

### Other Information

	Min	Typical	Max	Units	Notes
Isolation	--	--	--	--	2KVdc, between primary and secondary circuit
MTBF	--	50,000	--	hrs	
Weight				200 +/-10g	
Dimensions					Refer to mechanical drawings

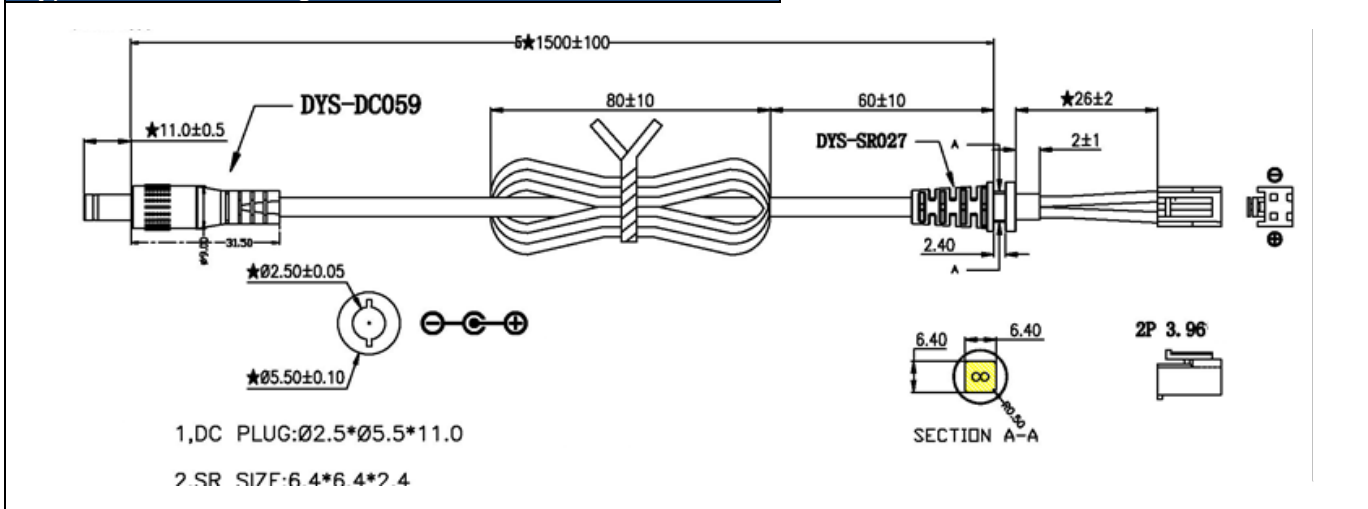
### EMI/EMS Standards

	Test Level		
EMI	EN 55032 / FCC Part 15 Class B / AS/NZS CISPR22		
EMS	EN 55024		
ESD	IEC 61000-4-2,	Air discharge +/-8KV, Contact discharge +/-4KV	Pass B
EFT	IEC 61000-4-4,	AC-Input 0.5KV/1KV	Pass A/B
Surge Voltage	IEC 61000-4-5	Differential mode +/-1KV. Common mode +/-2KV	Pass A

### Safety Approvals

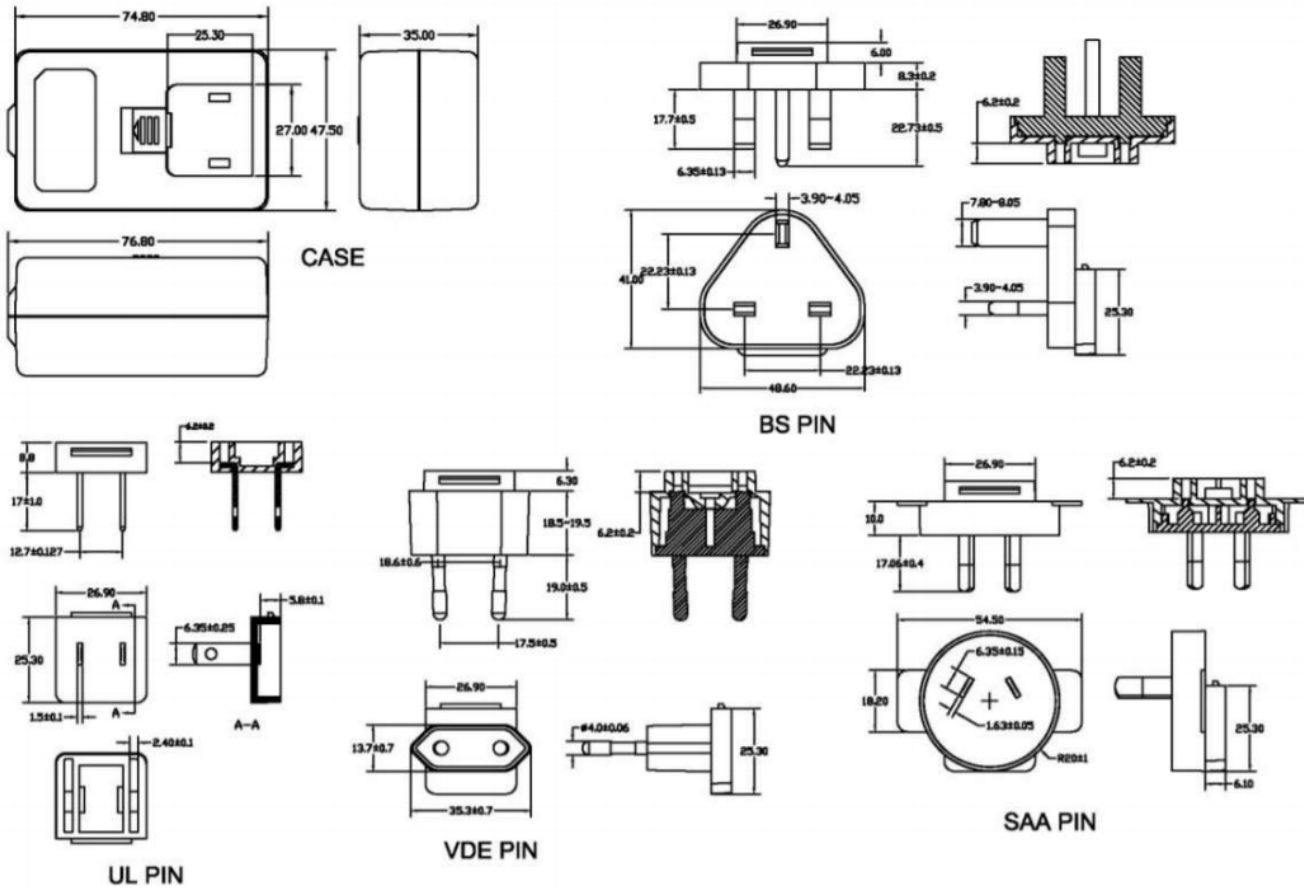
	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European) – Only applicable for UK & EURO plugs.
cULus	Yes – Only applicable for US plug.
TUV	Yes (German/European) – Only applicable for EURO plug.
RCM & C-Tick	Yes – Only applicable for Australian plug.

### Typical Cable Drawing





Mechanical Drawing



AC - DC

Typical Label Drawing

