

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

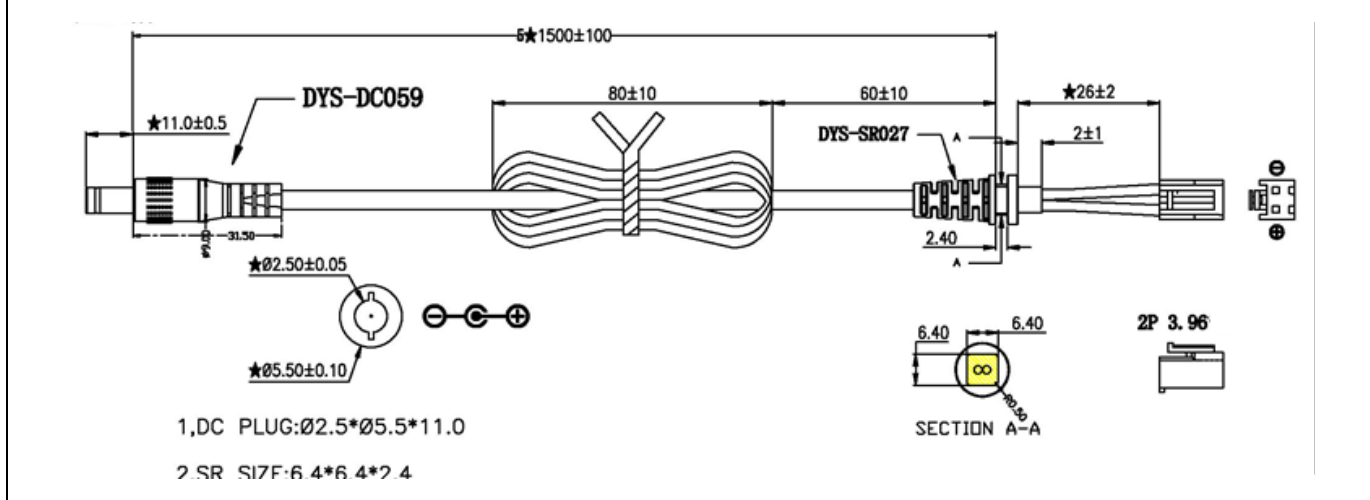
EMI/EMS Standards

	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

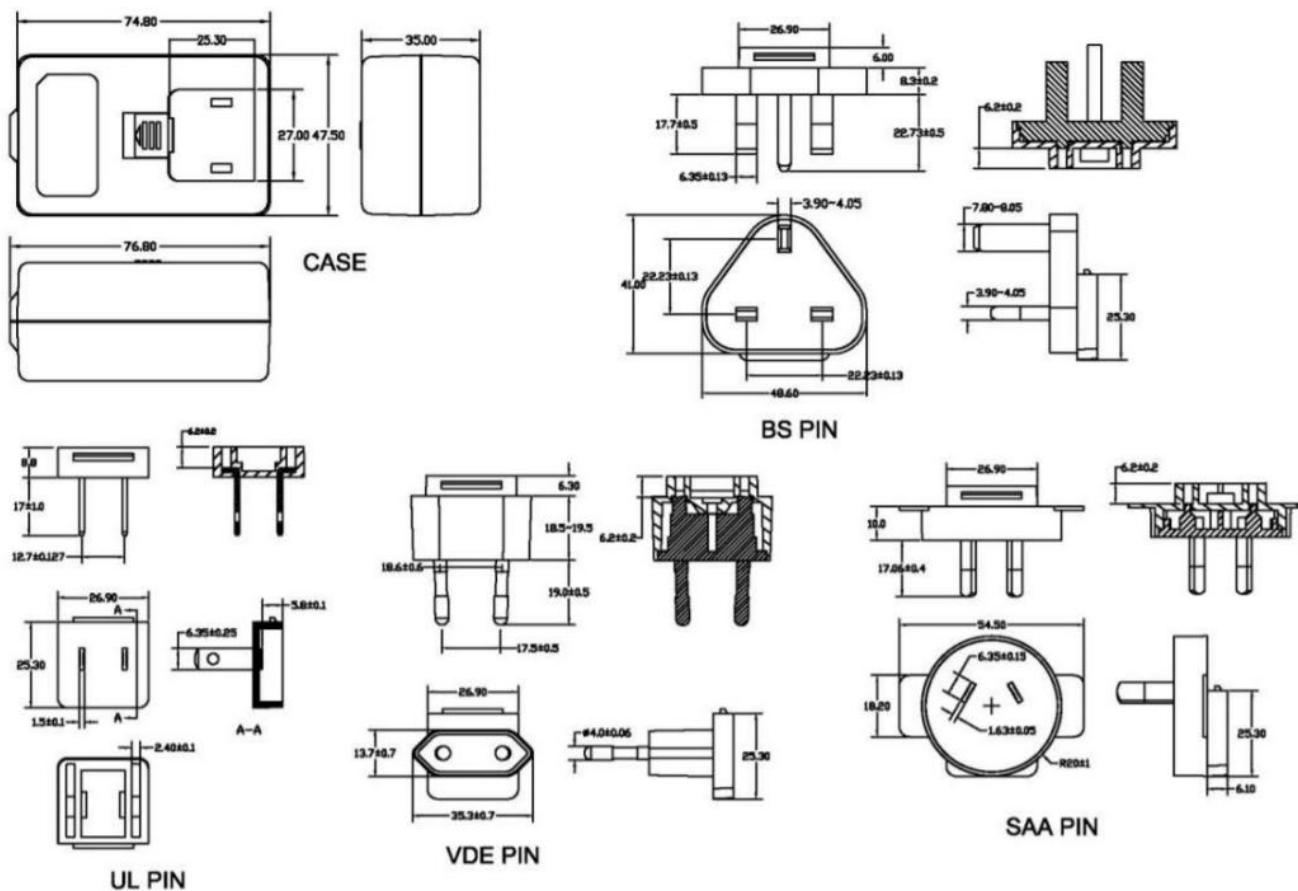
Safety Approvals

	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



Typical Label Drawing

