

Features

- Universal input 100-240VAC
- Interchangeable Power Supply
- Approved to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS
- IEC/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- Single Output 9V DC
- OVP, OCP, OTP SCP



Image for Illustration Purpose
Models may vary

Ideal Power's 15DYS830-xyW-K-RS 30W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, RCM (C-Tick), FCC, CCC, RoHS & EN 62368-1/IEC 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 (%)
15DYS830-090300W-K-RS	9	3	27	86.62

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	--	--	0.8	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	--	9	--	%	
Ripple & Noise	--	--	150	%	
Over Current Protection	Typically, 115-135% of Rated Current				
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	--	+45	°C	
Storage Temperature	-20	--	+80	°C	
Operating Humidity	10	--	90	°C	
Operating Humidity	5	--	95	°C	

Reliability Requirements

	Min	Typical	Max	Units	Notes
Burn-in	4	--	--	Hrs	Under normal input and 80% rated load at 40°C ± 5°C
MTBF	--	50,000	--	Hrs	@25°C Full load and nominal input
Dielectric Strength	--	--	5	mA	4242Vdc / 60s (3s for mass production)
Leakage Current	--	--	0.25	mA	@ 264Vac / 50H
Insulation Resistance	50	--	--	mΩ	@primary to secondary add 500Vdc test voltage

EMC Emissions (2014/30/EU)

	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	
Harmonic Standard	EN 61000-3-2		Class D	P.F. shall >0.95 @100Vac input and >0.9 @240Vac input

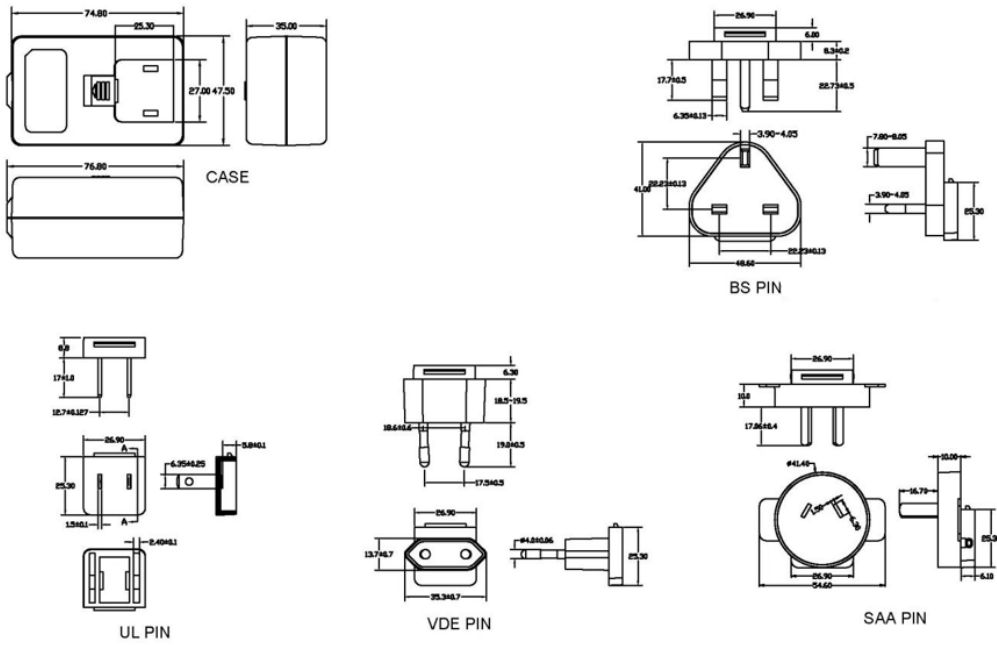
EMC Immunity (2014/30/EU)

	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
EMS	EN 61204-3			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
RS	IEC 61000-4-3			Frequency: 80-1000MHz; Field Strength: 3V/M ' 80% AM (1KHz)
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Line to Line: +/- 1KV (peak); Line to F.G: +/- 2KV (peak)

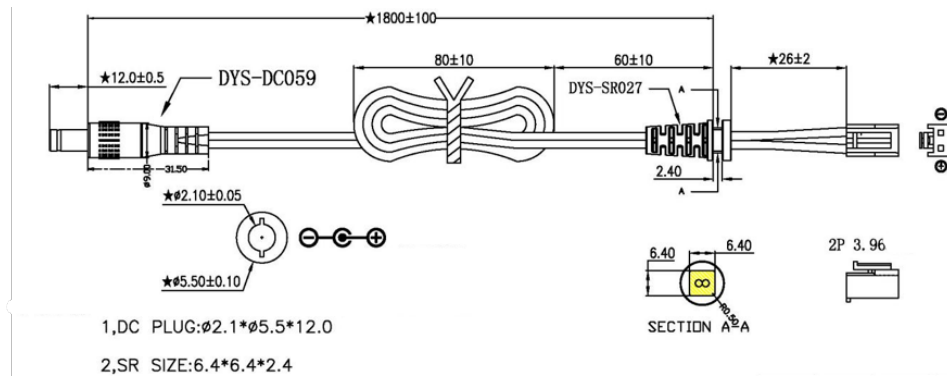
Product Information

	Notes
Dimensions	74.8 x 76.8 x 35mm
Output Cord	1800mm
Output Connector	DC Plug: 2.1 x 5.5 x 11.0mm

Mechanical Drawing



Typical drawing



Label Drawing

Typical Label

