

## Features

- Universal input 100-240VAC
- Interchangeable Power Supply
- Approved to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS & REACH
- UL/IEC/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- EMC Class B Certified
- Single Output 5-30V DC
- OVP, OCP, OTP & Short Circuit



Ideal Power's 15DYS836-xyW-K 40W 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	Output Current	Output Power
15DYS836-050500W-K	5VDC	5A	25W
15DYS836-075246W-K	7.5VDC	2.46A	32W
15DYS836-090400W-K	9VDC	4A	36W
15DYS836-120333W-K	12VDC	3.33A	40W
15DYS836-150266W-K	15VDC	2.66A	40W
15DYS836-180222W-K	18VDC	2.22A	40W
15DYS836-240166W-K	24VDC	1.66A	40W
15DYS836-300133W-K	30VDC	1.33A	40W

## 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		1		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	4.7		5.3		
Ripple & Noise					200mVp-p
Over Current Protection		6.5		A	Typically, 115-135% of Rated Current
Short Circuit Protection					Continuous short circuit proof. 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	°C	Operating 10% to 90%
Operating Humidity	5		95	°C	Storage 5% to 95%

**Other Information**

	Min	Typical	Max	Units	Notes
Isolation					2KVdc, between primary and secondary circuit
MTBF		50,000		hrs	At 25°C, Full load and nominal input condition
Weight					200 +/-10g
Dimensions					Refer to mechanical drawings

**EMC Emissions (2014/30/EU)**

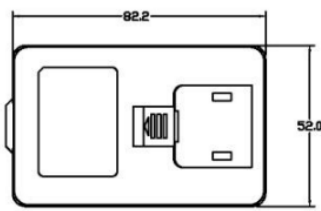
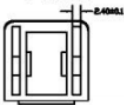
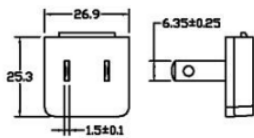
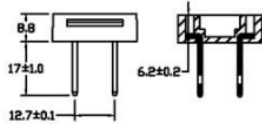
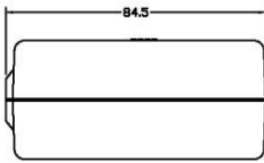
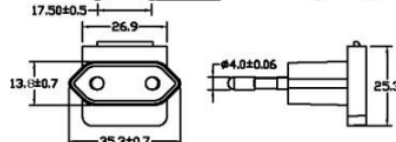
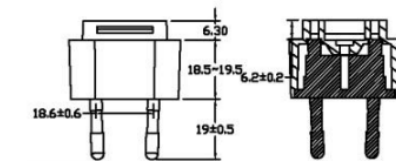
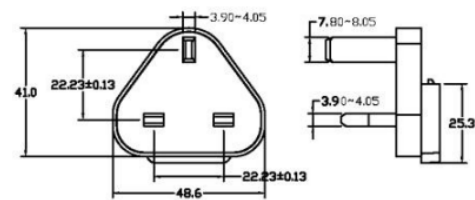
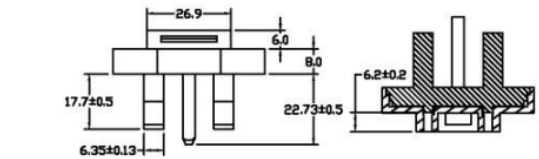
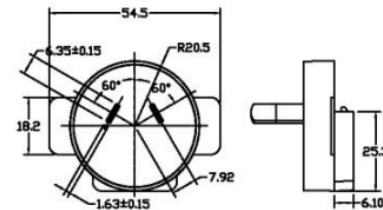
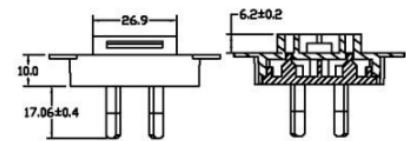
	Standard	Test Level	Criteria	Notes
Conducted	EN 55032	Pass	B	EMC Directive 2014/30/EU
Radiated	EN 55032	Pass	B	
Harmonic Standard	EN 61000-3-2		Class D	P.F. shall >0.95 @100Vac input and >0.9 @240Vac input

**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
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)

**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.

**Mechanical Drawing**

**CASE**

**US PIN**

**EU PIN**

**UK PIN**

**AU PIN**

Mechanical Drawing (Cord)

