

## Features

- Universal input 100-240VAC
- Interchangeable Power Supply
- Approved to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS & REACH
- EN/IEC 62368-1 Safety Approved
- Meets Efficiency Level VI
- EMC Class B Certified
- Single Output 4.5 – 24V D
- OVP, OCP, OTP, SCP



Ideal Power's 15DYS818-xyW-K 18W AC/DC External Adapter Interchangeable Power Supply (PSU) Series are certified to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS, REACH & 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
15DYS818-050300W-K	5VDC	3A	15W
15DYS818-075200W-K	7.5VDC	2A	15W
15DYS818-090200W-K	9VDC	2A	18W
15DYS818-120150W-K	12VDC	1.5A	18W
15DYS818-150120W-K	15VDC	1.2A	18W
15DYS818-180100W-K	18VDC	1A	18W
15DYS818-240075W-K	24VDC	0.75A	18W
15DYS818-300060W-K	30VDC	0.60A	18W

### 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	--	0.5	--	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	--	5	--	%	
Ripple & Noise	--	1	--	%	
Over Current Protection	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		50000		hrs	
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

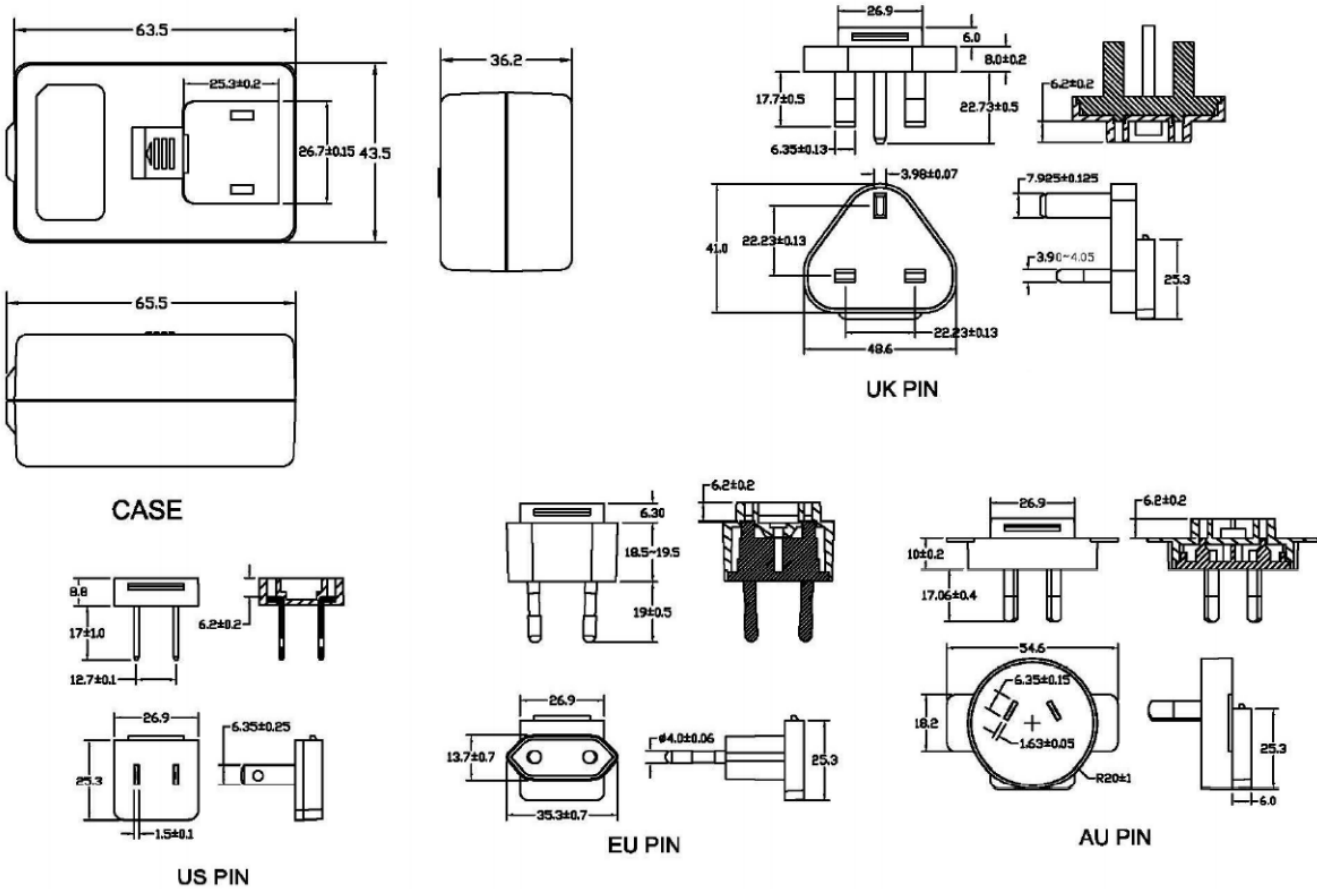
**EMC Immunity (2014/30/EU)**

	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
EMS	EN 61204-3			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
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)
Conducted				
PfMF				
Dips and Interruptions				

**Safety Approvals**

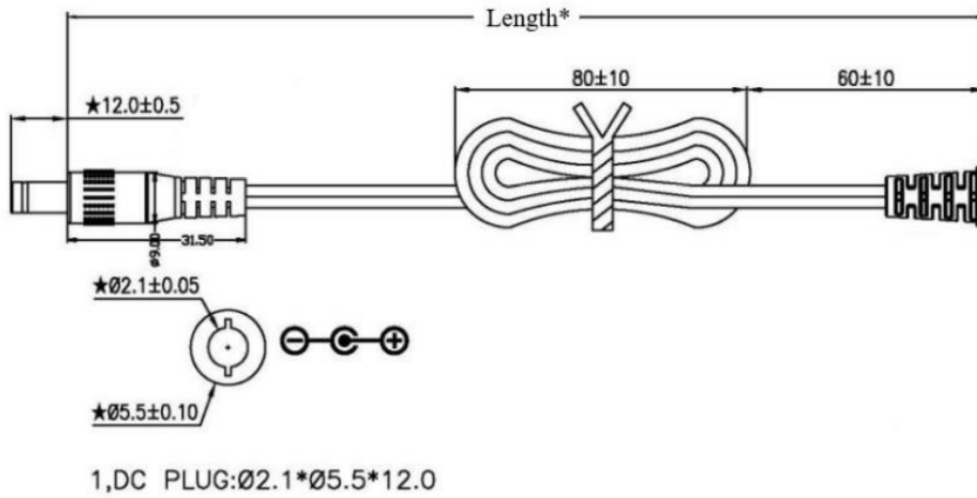
	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European) – Only applicable for UK & EURO plugs.
cULus	Yes – Only applicable for US plug.
TUV	Yes (German/European) – Only applicable for EURO plug.
RCM & C-Tick	Yes – Only applicable for Australian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

**Mechanical Drawing**



AC – DC

Mechanical Drawing (Continued)



Model Number	Output Cable
15DYS818-050300W-K	1.5m UL2468
15DYS818-075200W-K	1.5m UL2468
15DYS818-090200W-K	1.5m UL2468
15DYS818-120150W-K	1.5m UL2468
15DYS818-180100W-K	1.5m UL2468
15DYS818-240075W-K	1.5m UL2468
15DYS818-300060W-K	1.5m UL2468
15DYS818-050300W-K	1.5m UL2468