

## Features

- Universal Input 90~264V AC
- Approved to UKCA, CE, TUV-GS, cULus, FCC, RoHS
- Safety standards to IEC/UL/EN 60950-1
- Single Output 18~30V DC
- OVP, OCP, OTP, SCP



Ideal Power's 15DYS650-xyW 50W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, TUV-GS, cULus, FCC, RoHS & IEC 60950-1/UL 60950-1/EN 60950-1 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 %
15DYS650-180280W	18	2.8	50.4	88
15DYS650-240210W	24	2.1	50.4	88
15DYS650-300168W	30	1.68	50.4	88

### Input Data

	Min	Typical	Max	Units	Notes
Input Voltage	90	--	264	V AC	100-240VAC +/- 10%
Input Frequency	47	--	63	Hz	60Hz/50Hz Nominal
Input Current	--	--	1.3	A	at 100-240Vac input & Full load
Inrush Current	--	--	80	A	at 100-240Vac input and Max load for a cold start at 25°C
Leakage Current	--	--	0.25	mA	at 264Vac / 50Hz

### Output Data

	Min	Typical	Max	Units	Notes
Output Voltage Range	17.1	--	31.5	V	Model Dependant
Ripple & Noise	200	--	300	mVpp	Model Dependant
Turn On Delay	--	--	3	S	at 100 Vac to 240 Vac input & Full load
Hold Up	--	--	5	S	at Full load & 115Vac/60Hz input turn off at worst case
Over Current Protection	--	--	3.64	A	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	%	non condensing
Relative Humidity	5	--	95	%	non condensing

### Other Information

	Notes
Dielectric Strength	Primary to Secondary: 4242VDC / 5mAMax / 60second(3 seconds for mass production)
MTBF	50,000 hrs at 25°C
Dimensions	97.5x52.5x32.3mm
Output Cord	18~24V-20AWG/30V-22AWG UL2468,1.2M Black
Output Connector	2.1mm x 5.5m x 12.0mm

### Safety Approvals

	Safety Standards
Safety Standards	IEC/UL/EN 60950
Approvals	UKCA, CE, TUV-GS, cULus, FCC, RoHS

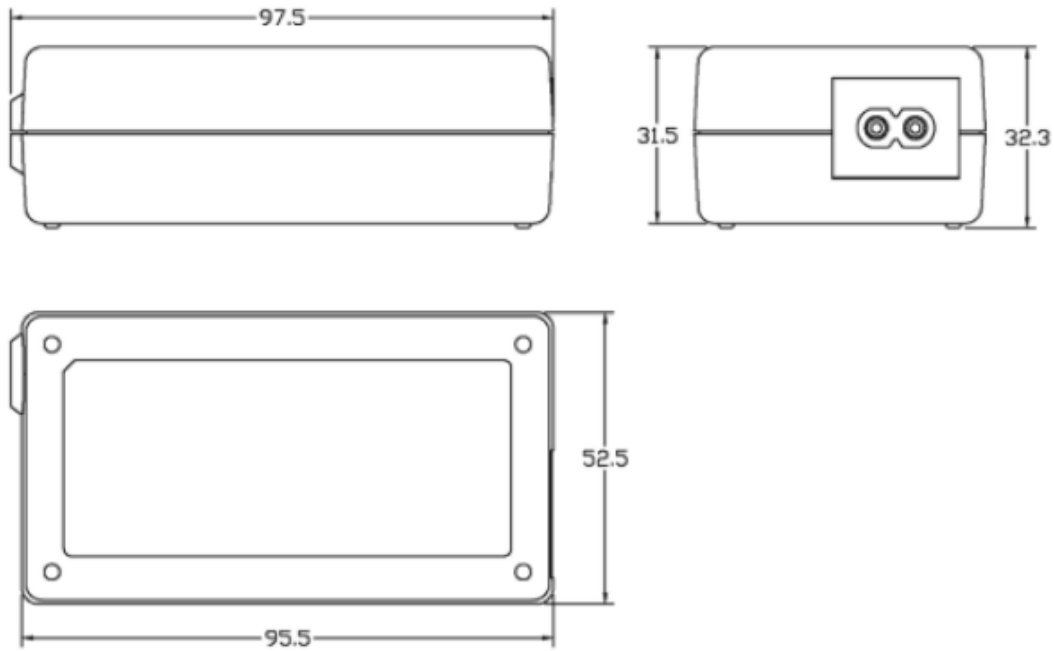
### EMI Standards

	Test Level
EMI	EN 55022 / FCC Part 15 Class B / AS/NZS CISPR22

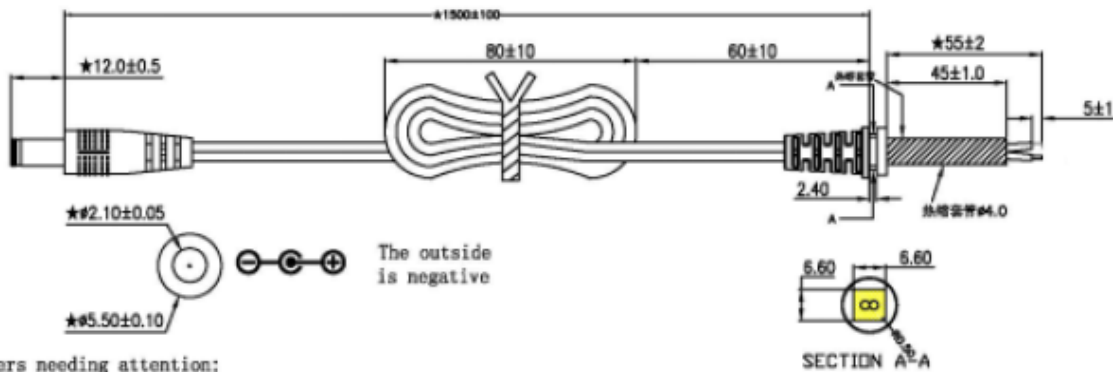
### EMS Standards

	Test Level	Test Criteria
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

Mechanical Drawing



Cable Drawing

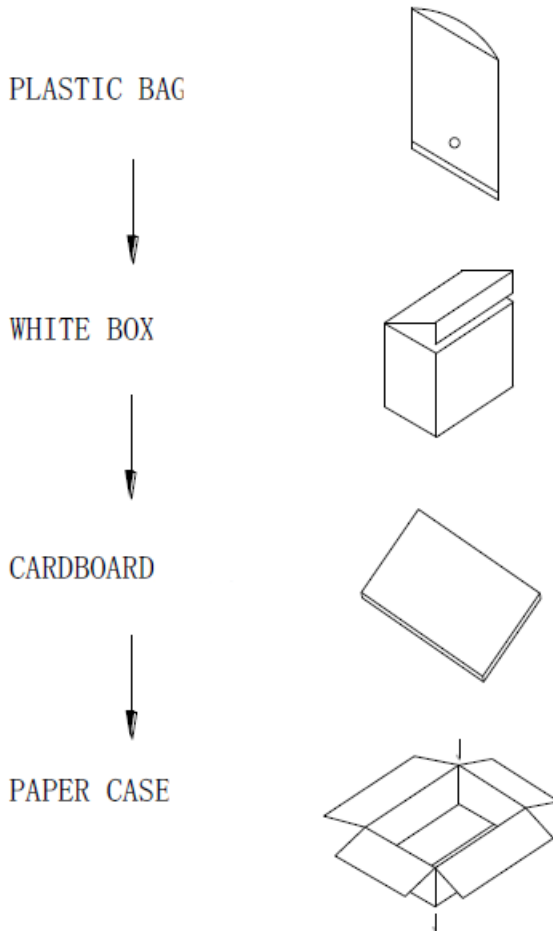


Matters needing attention:  
1,DC PLUG:∅2.1\*∅5.5\*12.0 fork hook(Black Insulation)  
2,SR SIZE:6.6\*6.6\*2.4

Label



Packaging



MECHANICAL DIMENSION:

	L(mm)	W(mm)	H(mm)
PLASTIC BAG	210	130	
WHITE BOX	145	70	40
CARDBOARD	365	300	
PAPER CASE	375	310	235

PACKING METHOD:

PACKING METHOD	10PCS/LAYER *5LAYERS
QTY	50PCS
N.G	10.2Kg
G.W	11.8Kg