

Features

- Universal input 100~240VAC
- Approved to CE, cULus, RCM (C-Tick)
RoHS & REACH
- UL/IEC/EN 62368-1 Safety Approved
- Meets Efficiency Level VI
- FCC Class B Certified
- Single Output 12~48V DC
- OVP, OCP, OTP, SCP



Ideal Power's 15DYS6150-xyP-RS-2.5 150W AC/DC External Desktop Power Supply (PSU) Series are certified to UKCA, CE, cULus, TUV, RCM (C-Tick), RoHS, REACH & EN 62368-1/IEC 62368-1/UL 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	Efficiency
15DYS6150-2000700P-RS-2.5	20V DC	7A	140W	88
15DYS6150-2400625P-RS-2.5	24V DC	6.25A	150W	88

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	1.6	--	2.5	A	@100-240Vac input & Full load
Inrush Current	0	--	80	A	At cold start, 100 / 240V AC
Leakage Current	--	--	3.5	mA	@264V AC/50Hz

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage	--	5	--	%	
Ripple & Noise	--	240	--	mVp-p	
Over Current Protection	--	>9.1	--	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	-10	--	+80	°C	
Operating Humidity	10	--	90	%	Operating 10% to 90%

Other Information

	Min	Typical	Max	Units	Notes
Isolation	--	--	--		Primary to Secondary: 4242VDC/5mA Max (3 seconds)
MTBF	--	50000	--	hrs	At 25°C, Full load, and nominal
Weight					450 g -10/+10 Depending on model
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	

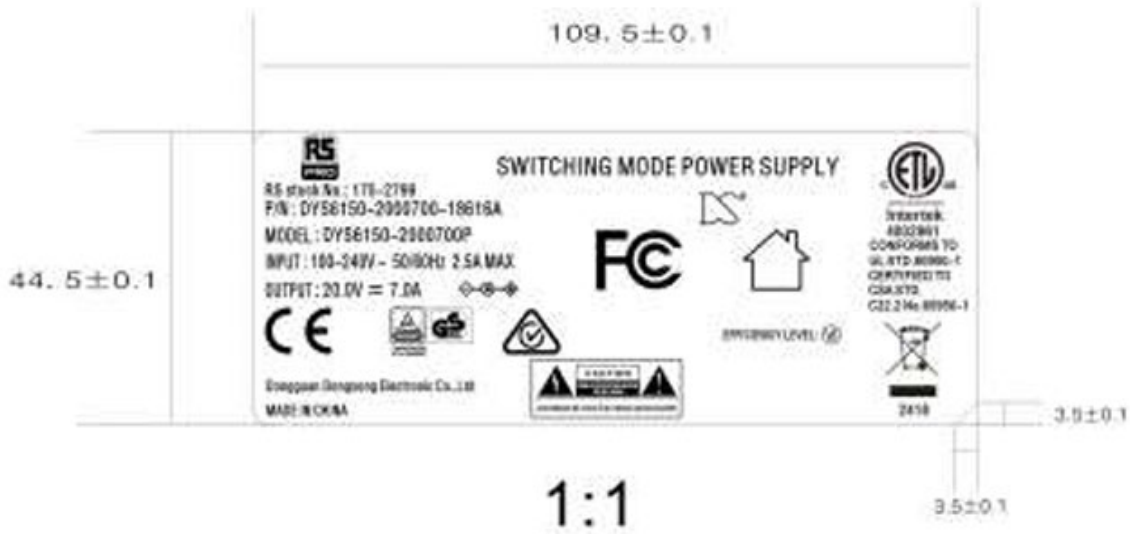
EMC Immunity (2014/30/EU)

	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
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	Differential mode: +/- 1KV, Common mode: +/- 2KV

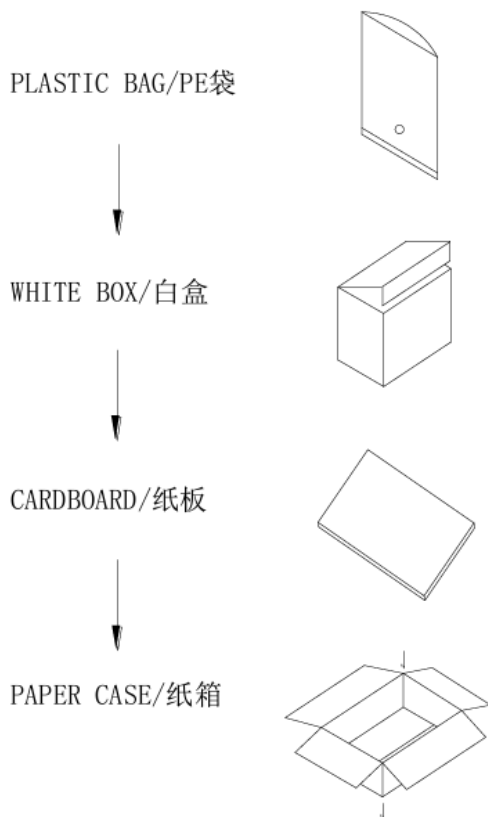
Safety Approvals

	Safety Standards
RoHS/REACH	RoHS Directive (EU) 2015/863 & REACH (205 SVHC)
CE LVD Directive 2014/35/EU	Yes (UK/European)
cULus	Yes
RCM & C-Tick	Yes

Label



Package Drawing



MECHANICAL DIMENSION:

	L(mm)	W(mm)	H(mm)
PLASTIC BAG	330	150	
WHITE BOX	230	130	55
CARDBOARD	470	285	
PAPER CASE	480	295	300

PACKING METHOD:

PACKING METHOD	5PCS/LAYER *4LAYERS
QTY	20PCS
N.G	12.0Kg
G.W	14.0Kg