



- Universal Input 100~240VAC 50/60Hz
- UL/IEC/EN 62368-1 Approved
- Compliant to LVD & EMC safety standards
- RoHS & CE Directive Compliant
- Level VI efficiency
- OVP, OCP, OTP & Short Circuit Protection
- C8 Inlet

The purpose of the document is to specify a Single-phase AC input, single output switching power supply. This specification is suitable for: 15DYS902-xyW 96W Series. This product is AC to DC switching power supply, it can provide 9-30V 96W max DC output constant voltage source. This Specification defines the input, output, performance characteristics, environment, noise and safety requirements.

Models

Model Number	Output Voltage	Output Current	Output Power
15DYS902-090750G	9V DC	7.5A	67.5W
15DYS902-120750G	12V DC	7.5A	90W
15DYS902-150600G	15V DC	6A	90W
15DYS902-240400G	24V DC	4A	96W
15DYS902-320300G	32V DC	3A	96W
15DYS902-480200G	48V DC	2A	96W

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			1.5	A	
Inrush Current	0		80	A	At cold start, 100 / 240V AC
Leakage Current			0.25	mA	

Output Data

	Min	Typical	Max	Units	Notes
Output Voltage tolerance		5%		%	
Ripple & Noise		200		mVp-p	
Over Current Protection					Over Current Point Limited >3.9A
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

	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0		+40	°C	
Storage Temperature	-20		+80	°C	
Operating Humidity	10		90	%	Operating 10% to 90%
Storage Humidity	5		95	%	Storage 5% to 95%

Other Information

	Minimum	Typical	Maximum	Units	Notes
Dielectric Strength					Primary to Secondary: 4242VDC/5mAMax (3 seconds)
MTBF		50,000		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)

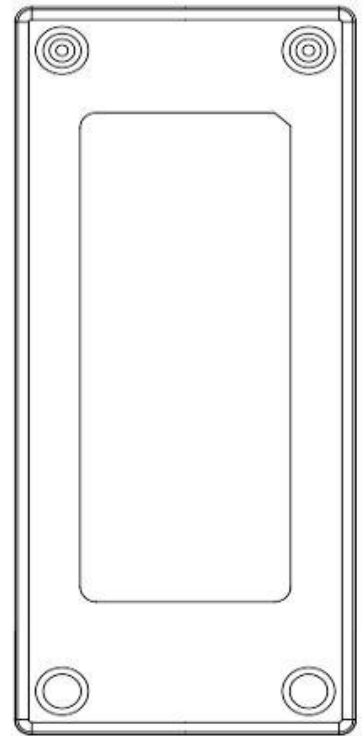
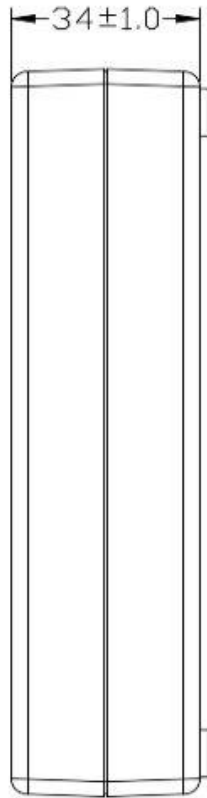
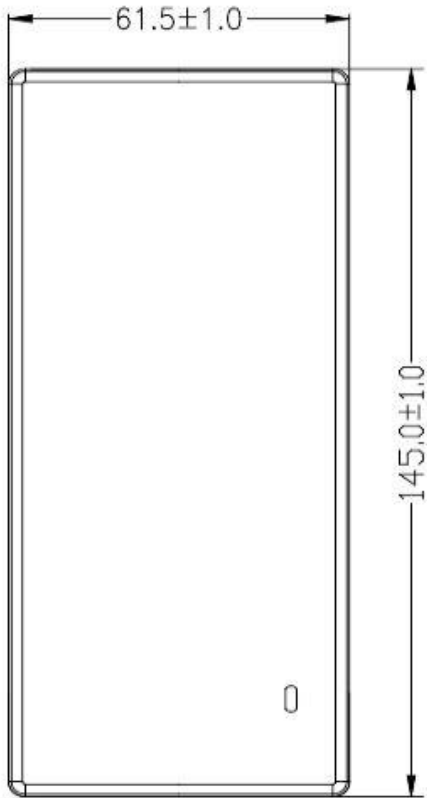
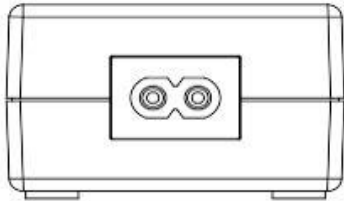
	Standard	Test Level	Criteria	Notes
EMS	EN 55035			
ESD	IEC 61000-4-2		B	Contact: +/- 4KV; Air: +/- 8KV
EFT	IEC 61000-4-4		A/B	0.5/1.0KV on input AC power ports
Surge	IEC 61000-4-5		A	Differential mode: +/- 2KV, Common mode: +/- 2KV

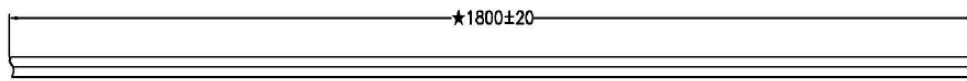
Safety Approvals

Safety Standards

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

Mechanical Drawing





1, UL 2468 18AWG

