

Features

- Voltage Input Range 90~24640V AC
- No-load power consumption < 0.1 W
- Operating Temperature Range: 0°C~+40°C
- Efficiency up to 89%
- Safety Standards to IEC/EN/UL 62368-1
- Output OCP, OVP



Certified to UKCA, CE, FCC, cULus, RCM (C-Tick), SAA, TUV-GS, PSE, CCC, RoHS & REACH & EN 62368-1/IEC 62368-1/UL 62368-1 Standards and complies with 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 (%)
14AK120WG-1200900W1	12	0.9	108	88
14AK120WG-1500800W1	15	0.8	120	88
14AK120WG-2400500W1	24	0.5	120	88
14AK120WG-4800275W1	48	0.275	132	88

Input Specifications

Parameter	Conditions	Min	Typ	Max	Unit
Input Voltage Range		90	--	264	V AC
Input Frequency		50	--	60	Hz
Input Current		--	--	2.0	A
Power Consumption	Input voltage 115V and 230V			0.21	A
Leakage Current	At 240V AC input			0.25	A

Output Specifications

Parameter	Conditions	Min	Typ	Max	Unit
Minimum Load Current		--	--	0.01	A
Line Regulation	At rated load and +/-10% of input voltage changing.	--	+5	--	%
Load Regulation		--	+5	--	%
Ripple & Noise*	Bandwidth of 20MHz and Parallel 47Uf/0.1Uf	--	--	300	mVp-p
Turn on Delay Time	At 230Vac input and output Max. load.	--	--	3	S
Hold up Time	At 115Vac input and output Max. load.	5	--	--	Ms
Overshoot	When power supply at turn off/on.	--	--	15	%
Short-circuit Protection	The power supply will be auto recovered when short circuit faults remove.				
Over-current Protection	At rated AC input, output current in the range of >10.0A , will protect				
Over-voltage Protection	When VCC more than 120% to 220% of rated voltage, power supply will protect, can resume normal work after troubleshooting.				

Environmental Specifications

Parameter	Conditions	Min	Typ	Max	Unit
Operating Temperature		0	--	40	°C
Standby Temperature		-20	--	80	
Humidity		10	--	90	%

Mechanical Specifications

Case Material	PC
Dimensions	173 x 72.7 x 36 mm

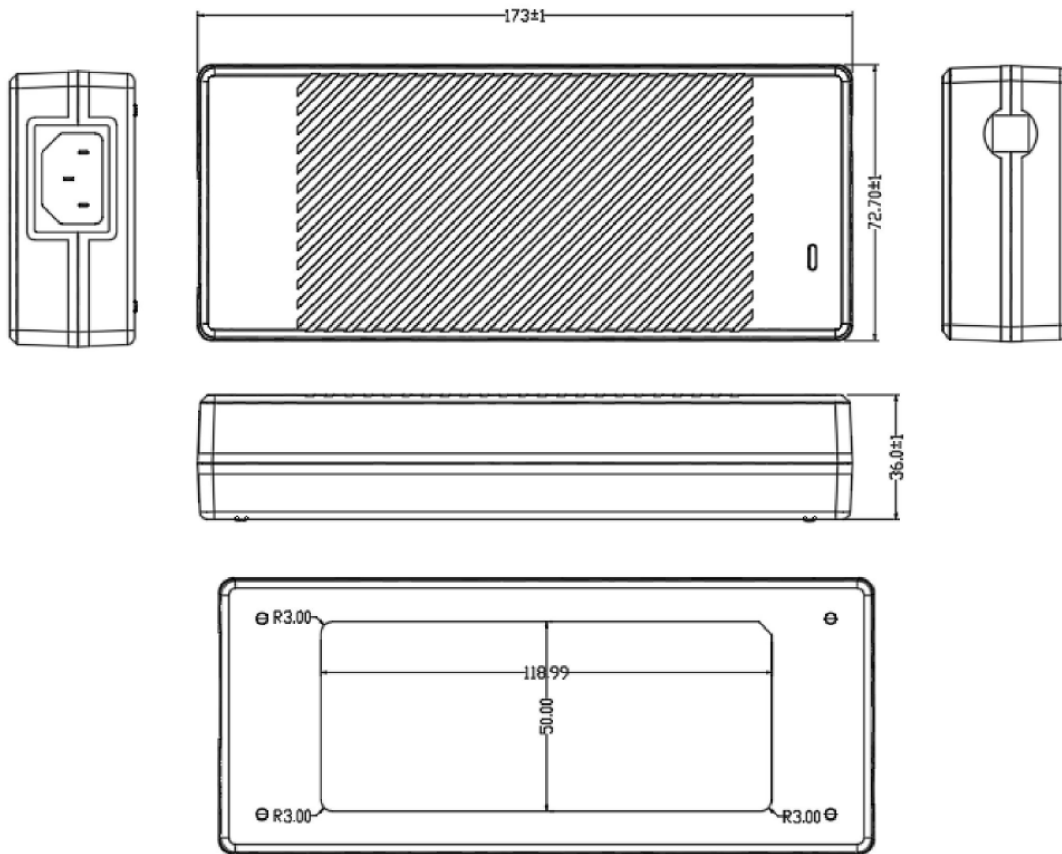
Standards & Certifications

Standards	EN 62368-1/IEC 62368-1/UL 62368-1
Certifications	UKCA, CE, FCC, cULus, RCM (C-Tick), SAA, TUV-GS, PSE, CCC, RoHS & REACH

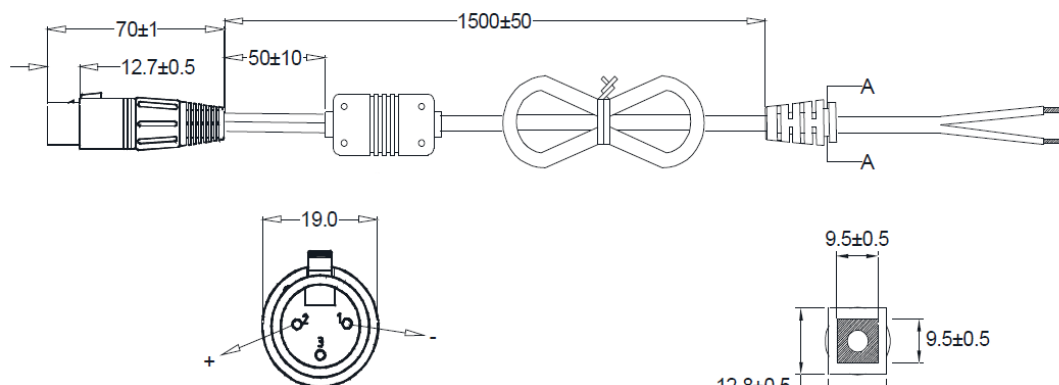
Compliance

		Conditions	Level
Emissions	CISPR32/EN55032	For radiated and conducted emissions.	Class B
	EN55014	For radiated and conducted emissions.	Class B
	EN55015	For radiated and conducted emissions.	Class B
Immunity	ESD	IEC/EN61000-4-2 Air ±8Kv, Contact ±4KV	perf.Criteria B
	RS	IEC/EN61000-4-3 3V/m with 80% amplitude modulation of 1 kHz	perf.Criteria A
	EFT	IEC/EN61000-4-4 Power Line: ±1KV – Signal Line: 0.5Kv	perf.Criteria B
	Surge	IEC/EN61000-4-5 line to line ±4KV	perf.Criteria B
	CS	IEC/EN61000-4-6 3Vr.m.s	perf.Criteria A

Dimensions and Recommended Layout



Cable Drawing

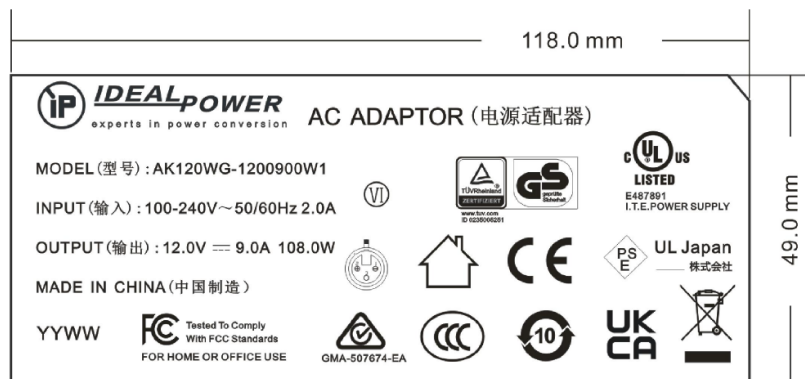


NOTE:

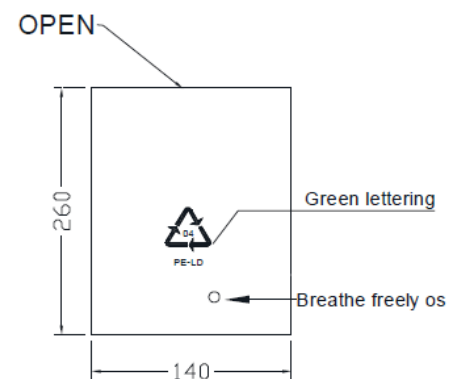
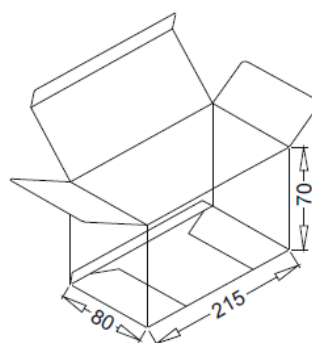
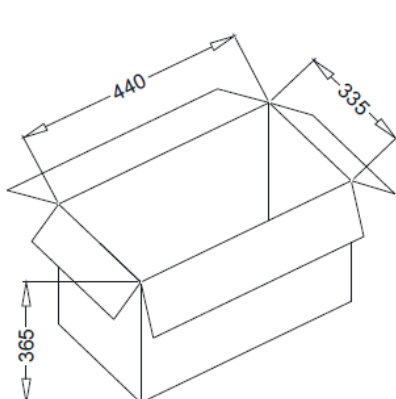
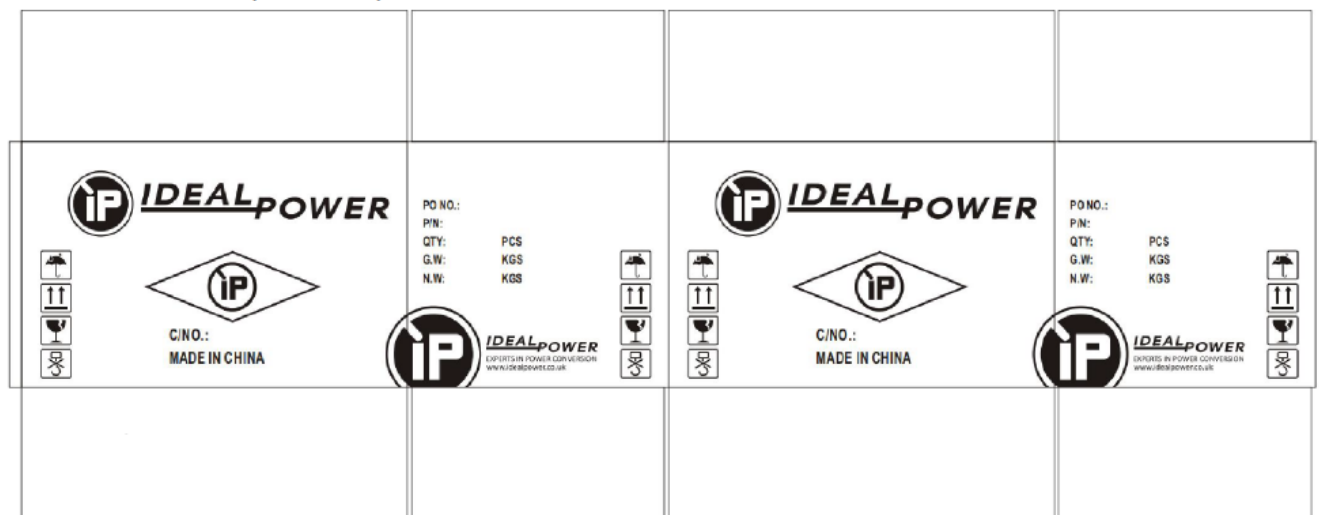
- 1>UL 2464 16AWG 80°C 300V VW-1 L=1500±50mm;
- 2>PLUG:Female FC6140-3pinXLR, - pin 1(negative),+ pin 2(positive) ;
- 3>Color:Black;
- 4>RoHS.

A - A

Label Drawing



Packaging



PE bag

Packaging
 BOX : L215×W80×H70mm
 Outside box: L440×W335×H365mm
 Slab: L430×W300mm*2mmT
 PE bag : 260×140(OPEN)×0.03mm

QTY :40PCS
 N.W:20Kg±10%
 C.W:22Kg10%

