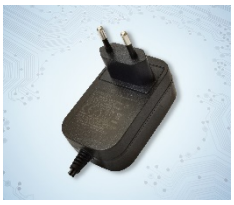
SPW024VE Series

24W, Wall Mount AC/DC Adaptor

Package Options



North America Type



European Type



British Type



Australia Type



Interchangeable Type

Features

- Rated power: 24W Max
- Input: 90~264VAC, 47~63Hz
- High efficiency 88% average from 25% to 100% rated load
- Low ripple and noise
- Protected with OCP, OVP, SCP
- Operating temperature range: -10~+40°C
- Meet DOE Level VI
- Standby power consumption less than 0.1W
- DC out options: USB out, or standard DC cord with DC plugs of any types
- Plastic case can be custom made to any color with MOQ
- Meet IEC/EN/ETL62368-1, EN55032, CISPR32, EN55035, FCC Part 15B
- Designed for general purpose applications
- 2 year warranty

Model Numbers

Model Numbers	Output Voltage [V]	Output Current [A] Max.	Over Current Protection [A]	Full Load Efficiency [%] Min.	Average Efficiency * [%] Min.	Efficiency Level [DOE]
SPW024VE-050480E-15A1*	5.0	4.80	5.0 ... 5.5	83.0	85.04	VI
SPW024VE-090266_ - _ _*	9.0	2.66	2.8 ... 3.5	84.0	86.20	VI
SPW024VE-120200_ - _ _*	12.0	2.00	2.2 ... 3.0	84.0	86.20	VI
SPW024VE-240100_ -_ _ *	24.0	1.00	1.2 ... 2.0	84.0	86.20	VI

* Only typical models are listed, other models may be available, upon request.
* Average efficiency tested at 25%, 50%, 75% and 100% rated load, after 30 minutes warm up.
* Add suffix for AC blade, DC cord length, and DC plug options, for example:

SPW024VE Series

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Electrical Specifications

Unless otherwise indicated, specifications are measured at T_A=25°C, humidity<75%, nominal input voltage and rated output load.

Parameters	Condition	Min.	Typ.	Max.	Unit	Note
Input voltage range		90	-	264	Vac	
Nominal input voltage		100	-	240	Vac	
Input frequency		47	-	63	Hz	
Input current	100Vac	-	-	0.6	A	
Inrush current	230Vac, Cold start	-	-	80	A	
Leakage current	240Vac, 50Hz	-	-	0.25	mA	
No load power consumption	115Vac/230Vac	-	-	0.1	W	
Output voltage accuracy With line & load regulation included	I_{OUT}=0A ... Rated	-	-	±5	%V_{OUT}	
Ripple and noise *	20MHz bandwidth	-	80	150	mVp-p	
Start up and rise time	100Vac, Full load	Turn-on delay 3sec max, rise time 100mS max				
Isolation voltage	Input to output	5mA max, tested at 4242Vdc for 60sec				
Insulation resistance	Input to output	10Mohm min, tested at 500Vdc				
Protections Hiccup mode, automatic recovery		Over current, over voltage, and short circuit protection Over current trigger point refer to "model numbers"				

* Ripple and noise tested with a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor is connected in parallel at the output.

General Specifications

Parameters	Condition	Min.	Typ.	Max.	Unit	Note
Operating temperature range		-10	-	40	°C	
Operating humidity		10	-	90	%RH	
Storage temperature		-25	-	85	°C	
Storage humidity		10	-	95	%RH	
Case color	Default color is Black. MOQ 5,000 ~ 10,000pcs for other color.					
Vibration	10~30Hz, 1.0G, 3.5mm offset, 60minutes along each X, Y, Z					
Burn-in test	100% burn-in test, 4 hours, full load and 35°C ambient					
MTBF	> 50,000 Hours, 25°C, MIL-HDBK-217F					
Safety standards	Meet IEC/EN/ETL62368-1					
EMC standards	Meet EN55032, CISPR32, EN61000-3-2, 3, EN55035, FCC Part 15B Class B					
Packing & Weight Lattice packing, default option*	"EU" & "UK" Type: 100pcs/carton 535x420x435mm, 14.0Kg G.W. "UL" & "AU" Type: 100pcs/carton 535x420x435mm, 13.0Kg G.W. Interchangeable Type, Body only: 100pcs/carton 535x420x435mm					

* Packing information are estimated based on standard DC cord and plugs.
* For other special packing requirement please consult our sales for availability.

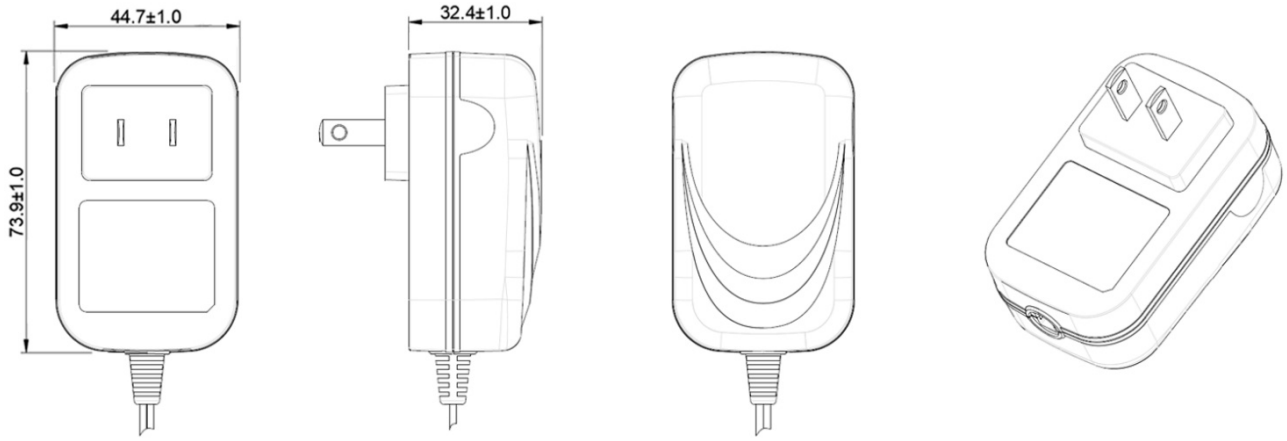
SPW024VE Series

24W, Wall Mount AC/DC Adaptor

Mechanical Specifications

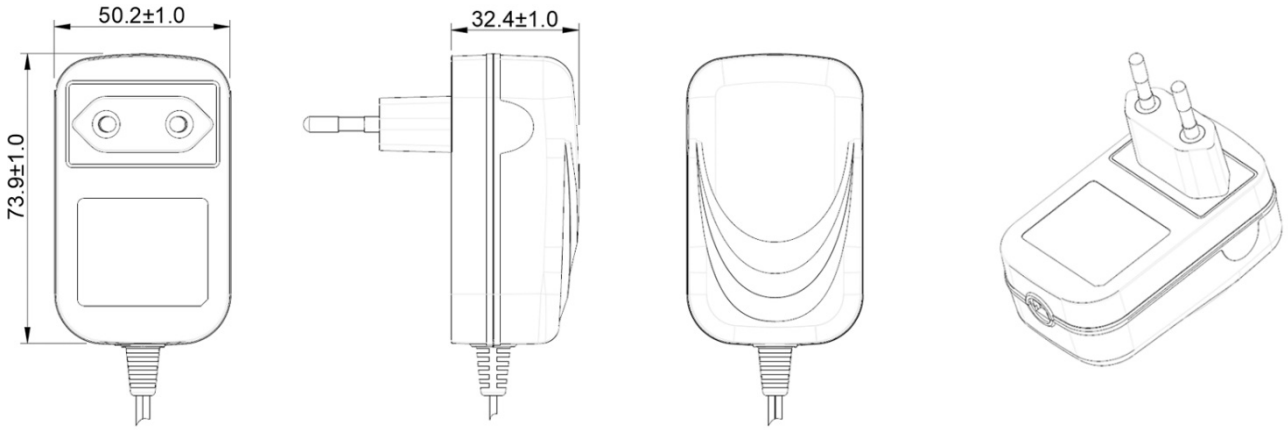
North America Type

AC blade option code "U"



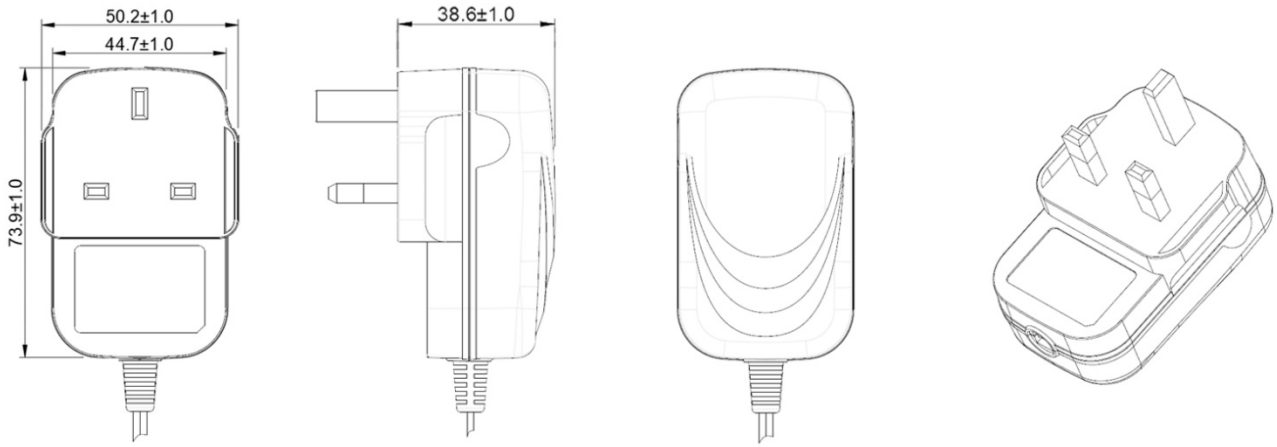
European Type

AC blade option code "E"



British Type

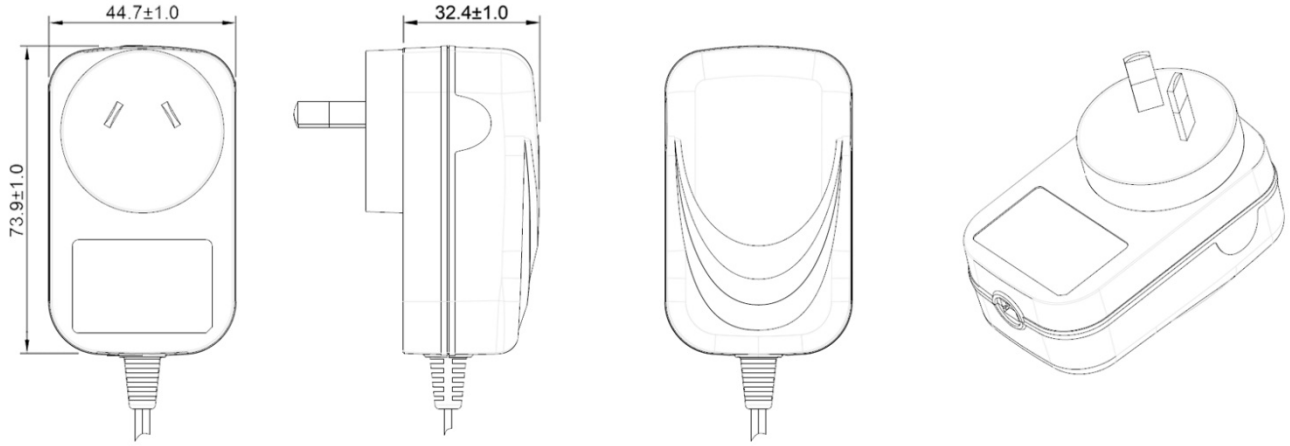
AC blade option code "B"



Mechanical Specifications (continued)

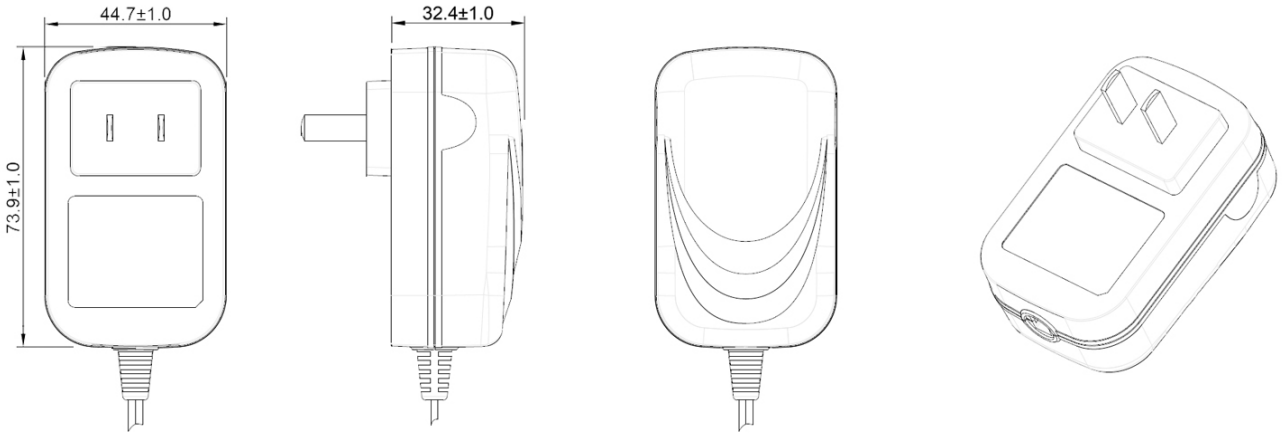
Australia Type

AC blade option code "A"



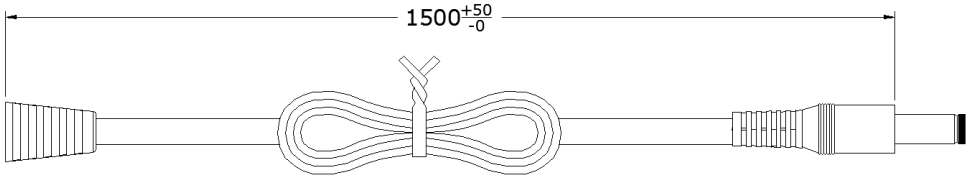
Mainland China Type

AC blade option code "C"



DC Cord Options

Code "15" for default DC cord length 1.5M, and code "00" for no DC cord assembled to the adaptor body. Other options are available upon request, for example code "12" for 1.2M length DC cord.



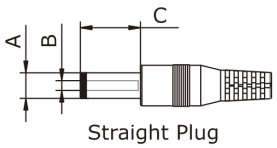
Unite: mm

24W, Wall Mount AC/DC Adaptor

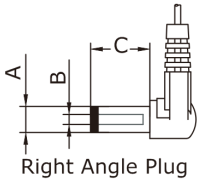
DC Plug Options

Standard DC Plug

The default code is center positive and straight DC plug. Add N to the code for the center negative plug, add R for the right angle plug, for example A1NR = A1 size DC plug, center negative, with right angle.



Straight Plug

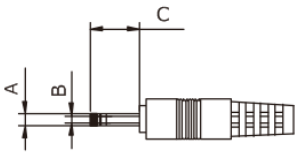


Right Angle Plug

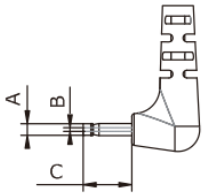
Code	A	B	C	Unit
A1	5.5	2.1	12	mm
A2	5.5	2.5	12	mm
A3	3.5	1.35	12	mm
A4	3.8	1.35	12	mm
A5	3.8	1.05	12	mm

EIAJ DC Plug

The default code is center positive and straight DC plug. Add N to the code for the center negative plug, add R for the right angle plug, for example E1NR = E1 size DC plug, center negative, with right angle.



Straight Plug

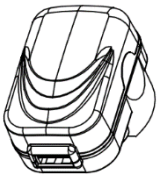


Right Angle Plug

Code	A	B	C	Unit
E1	2.35	0.7	12	mm
E2	4.00	1.7	12	mm
E3	4.75	1.7	12	mm

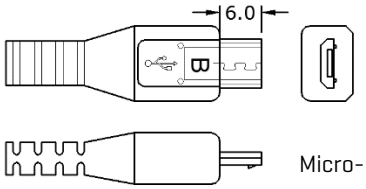
USB Socket

Code "B1" for no DC cord, but USB socket installed in the adaptor's body.
In this option, DC cord will be quoted separately when needed.

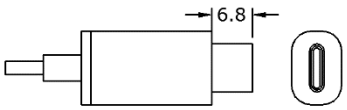

USB Socket

Micro-USB Plug & Type-C Plug

Code "B2" for a standard Micro-USB plug, or "C1" for a standard Type-C plug.



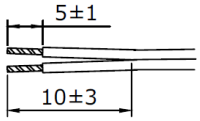
Micro-USB Plug



Type-C Plug

Stripped & Tinned

Code "S1" for no DC plug, but stripped and tinned DC cord.
Please contact us for custom made request.



Stripped & Tinned

Unit: mm