Cisco Aironet 1530 Series Outdoor Access Point Power Adapter AIR-PWRADPT-1530 Series

First Published: May, 2014
Last Updated: August, 2014

This document provides the specifications of the Cisco Aironet 1530 Series Outdoor Access Point Power Adapters AIR-PWRADPT-1530= and AIR-PWRADPT2-1530= (for Japan only).

The following information is provided in this document:

Note This power adapter is an OV (overvoltage) category II device per the NEC. For proper installation and requirements for branch circuit protection, isolation and surge protection when connected to an OV (overvoltage) category III or IV power source, please refer to national and local codes (for example, in the USA: NFPA 70, National Electric Code, and in Canada: Canadian Electrical Code)

In The Package

The following items are included:

- One AC/DC power adapter with 2-pin DC power connector and 3-pin IEC connector attached.

Cisco Systems, Inc.
www.cisco.com

- Plastic cable gland and rubber seal compatible with Cisco Aironet 1530 Series Outdoor Access Points.

Technical Specifications

All parameters listed in the following table are specified at 230VAC input, rated load, 25°C 70% RH ambient.

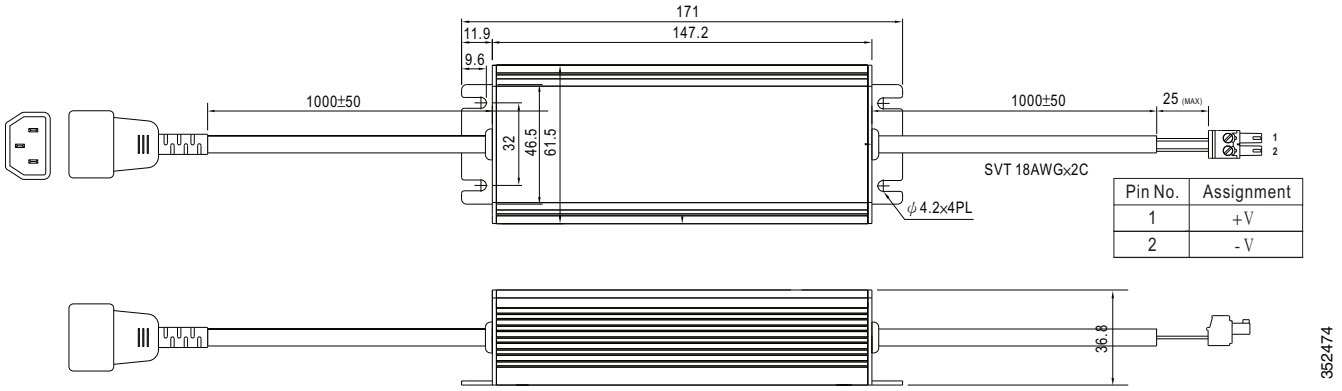
Output	DC Voltage[1]	48V
	Rated Current	1.25A
	Current Range	0 ~ 1.25A
	Rated Power (Max.)	60W
	Ripple and Noise (Max)[2]	240mVp-p 380mVp-p for Japan version only
	Voltage Tolerance[3]	±3.5%
	Line Regulation[4]	±1.0%
	Load Regulation	±2.5%
	Setup, Rise Time[5]	600ms, 30ms / 230VAC 600ms, 30ms / 115VAC at full load
	Hold Up Time (Typ.)	50ms / 230VAC 15ms / 115VAC at full load
Input	Voltage Range[6]	100 ~ 264VAC 90 ~ 264VAC for Japan version only
	Frequency Range	47 ~ 63Hz
	Efficiency (Typ.)	92%
	AC Current	1.4A / 115VAC 1A / 230VAC
	Inrush Current (Max.)	65A / 230VAC
	Leakage Current (Max.)	0.75mA / 240VAC
Protection	Overload	105 ~ 150% rated output power Protection type—Hiccup mode, recovers automatically after fault condition is removed
	Over Voltage	50.4 ~ 64.8V Protection type—Shut down o/p voltage, re-power on to recover
	Over Temperature	RTH2 > 70°C Protection type—Shut down o/p voltage, re-power on to recover
Environment	Working Temp.	-30 ~ + 60°C (Refer to output load derating curve)
	Working Humidity	0% - 100% RH condensing
	Intrusion Protection	IP67
	Storage Temp.	-30 ~ +85°C
	Temp. Coefficient	± 0.03% / °C (0 ~ 50°C)
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
	UV Rating (cable)	per ASTM G155-05 Cycle 1

Safety and EMC	Safety Standards	UL/cUL60950-1, TUV EN60950-1, CCC GB4943, S-mark (Argentina), EAC (Russia), NOM (Mexico), SAA (Australia), KC (Korea), BMSI (Taiwan) PSE (Japan) for AIR-PWRADPT2-1530= only
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH
	EMI Conduction and Radiation	EN55022 class B, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254 class B
	Harmonic Current	Compliance to EN61000-3-2,3, GB17625.1
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A

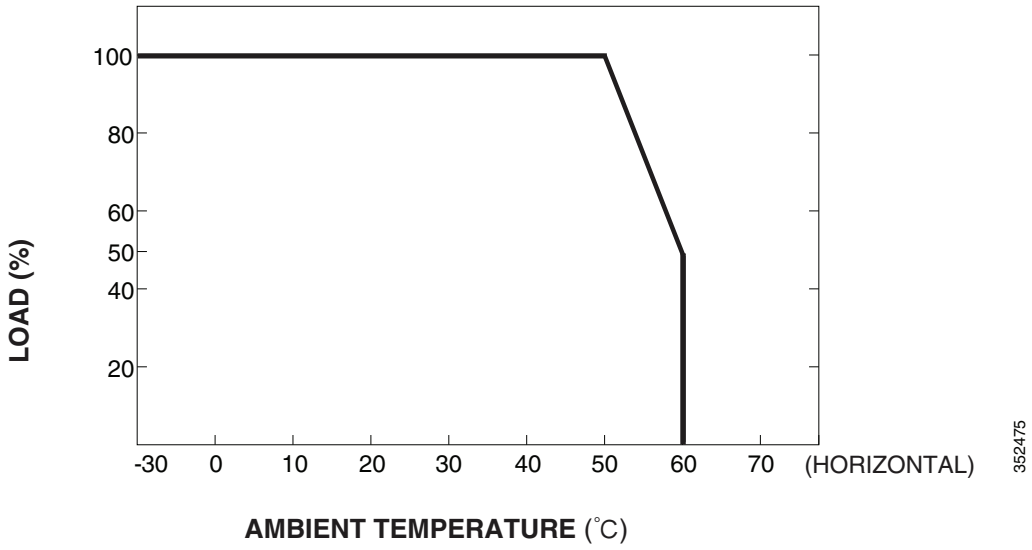
1. DC voltage: The output voltage set at point measure by plug terminal & 50% load.
2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.
3. Tolerance: includes set up tolerance, line regulation, load regulation.
4. Line regulation is measured from low line to high line at rated load.
5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
6. Maximum input voltage is 305VAC without IEC connector

Mechanical Specifications

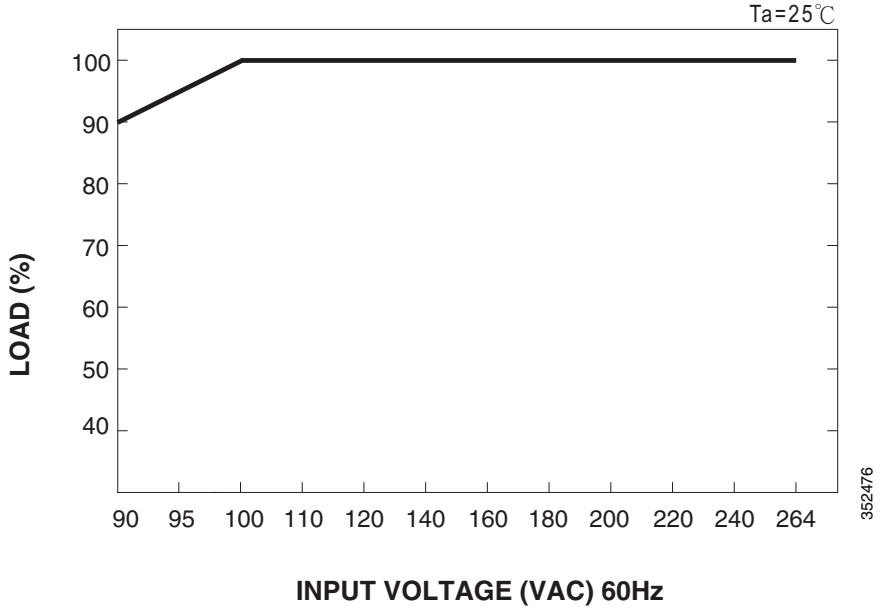
All measurements in the following figure are in mm.



Derating Curve



Static Characteristics



Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation* at: http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html.

Subscribe to *What's New in Cisco Product Documentation*, which lists all new and revised Cisco technical documentation, as an RSS feed and deliver content directly to your desktop using a reader application. The RSS feeds are a free service.

OL-31502-01