



MARKETING NAME.....Inspiron 3647
REGULATORY MODEL.....D09S
REGULATORY TYPE.....D09S001
EFFECTIVE DATE.....December 04, 2013
EMC EMISSIONS CLASS.....B

Dell Inc.
www.dell.com

TABLE OF CONTENTS

I. GLOBAL ENVIRONMENTAL INFORMATION .....2
II. POWER CORDS AND USER DOCUMENTATION.....2
III. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS.....2
IV. TRADE (IMPORT/EXPORT) COMPLIANCE DATA.....2
V. SYSTEM DIMENSION AND WEIGHT .....2
VI. PERFORMANCE DATA.....2
VII. PRODUCT MATERIALS INFORMATION .....4
VIII. PACKAGING.....5
IX. BATTERIES .....5
X. DESIGN FOR ENVIRONMENT .....5
XI. RECYCLING/ END-OF-LIFE SERVICE INFORMATION .....5

STATEMENT OF COMPLIANCE

This product has been determined to be compliant with the applicable standards, regulations, and directives for the countries where the product is marketed. The product is affixed with regulatory marking and text as necessary for the country/agency. Generally, Information Technology Equipment (ITE) product compliance is based on IEC and CISPR standards and their national equivalent such as Product Safety, IEC 60950-1 and European Norm EN 60950-1 or EMC, CISPR 22/CISPR 24 and EN 55022/55024. Dell products have been verified to comply with the EU RoHS Directive 2011/65/EU. Dell products do not contain any of the restricted substances in concentrations and applications not permitted by the RoHS Directive.

EMC Emissions Class refers to one of the following use environments:

- EMC Class B products are intended for use in residential/domestic environments but may also be used in non-residential/non-domestic environments.
• EMC Class A products are intended for use in non-residential/non-domestic environments. Class A products may also be utilized in residential/domestic environments but may cause interference and require the user to take adequate corrective measures.

For Product Safety and EMC compliance, this product has been assigned a unique regulatory model and regulatory type that is imprinted on the product labeling to provide traceability to the regulatory approvals noted on this datasheet. This datasheet applies to any product that utilizes the assigned regulatory model and type including marketing names other than those listed on this datasheet. ErP compliance is tied to the CE mark.

REACH (Registration, Evaluation, Authorization and Restriction of Chemicals, 1907/2006) is the European Union's (EU) chemical substances regulatory framework. Dell complies with the REACH directive. For information on SVHC (Substances of Very High Concern), see www.dell.com/REACH.

Compliance documentation, such as certification or Declaration of Compliance for the product is available upon request to regulatory\_compliance@dell.com. Please include product identifiers such as marketing name, regulatory module, regulatory type and country that compliance information is needed in request.



## I. GLOBAL ENVIRONMENTAL INFORMATION

Environmental		
Country	Approval	Compliance
Global	ENERGY STAR	E-Star 6.0
Global	Energy Smart	
Varies by country – see link below	EPEAT	Bronze
China	CEL	Yes
South Korea	E-Standby	Yes
Mexico	MEL	Yes

## II. POWER CORDS AND USER DOCUMENTATION

Dell products are provided with the power cord and user documentation suitable for the intended country of delivery. Products that are relocated to other countries should use nationally certified power cords and plugs to ensure safe operation of the product. Contact Dell to determine if alternate power cords or user documentation in other languages is available for your market.

## III. DATASHEET RESPONSIBLE PARTY NAME AND ADDRESS

Dell Inc.  
 Department: Global Regulations and Standards  
 MS: PS4-30  
 Round Rock, Texas 78682, USA  
[Regulatory\\_Compliance@Dell.com](mailto:Regulatory_Compliance@Dell.com)

## IV. TRADE (IMPORT/EXPORT) COMPLIANCE DATA

For any questions related to importing & exporting classification of Dell products, please obtain information from the following link: [www.dell.com/import\\_export\\_compliance](http://www.dell.com/import_export_compliance) or send request to [WW\\_Export\\_Compliance@dell.com](mailto:WW_Export_Compliance@dell.com)

## V. SYSTEM DIMENSION AND WEIGHT

Depth, mm/cm	Width, mm/cm	Height, mm/cm	Weight, kg
375.9	100.0	264.9	5.25Kg (depending upon installed options)

## VI. PERFORMANCE DATA

The Energy Consumption and Declared Noise Emissions data is based on a configuration including:

<b>Processor</b>	Intel I7-4770
<b>Hard Drive(s)</b>	2TB
<b>Memory</b>	8GB*2
<b>Video Card</b>	GT 635
<b>RMSD / Optical Drive</b>	DVD RW/BD
<b>Power Supply (Internal or External)</b>	Internal
<b>Power Supply Size in Watts</b>	220 W
<b>Power Supply Efficiency Level</b>	80 plus



**Client Computers:**

Service Level	Energy Consumption (Wattage)	BTU Calculation	Description of Service Level
<b>*Maximum</b>	<b>90.45</b>	<b>309.34</b>	The system is running programs to maximize the power consumption.
<b>Idle Mode</b>	<b>25.38</b>	<b>86.80</b>	As specified EPA Energy Star Computer mode.
<b>S3 "Sleep" Mode</b>	<b>1.67</b>	<b>5.71</b>	Suspend-to-RAM (low-power/sleep mode)
<b>Off</b>	<b>0.34</b>	<b>1.16</b>	System is turned off but still connected to its AC power source. If the product is a computer, the Low Power Mode feature is enabled via BIOS if available.
<b>External Power Supply "No-Load" (if applicable)</b>			AC adapter connected to mains with system detached otherwise known as "No-load" condition.

\*Maximum **Energy Consumption** results are based solely upon the laboratory testing of the **System Configuration** listed above.

Energy consumption is tested at 230 Volts / 50 Hz. Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. BTU is calculated based upon the wattage reading taken in the given mode. To convert Watts to BTU, (1 Watt = 3.42 BTU)

If applicable, iAMT increases the power consumption even during the off state. The power measurements reported above are valid only if the iAMT Management Engine (ME) is set to "ON" in S0 state only (S0 is simply power-on, non-sleep, working state).

**Energy Consumption\***

Energy efficiency benefits the environment and lowers the total cost of equipment ownership by reducing power consumption. Dell offers energy calculators that help estimate power needs, potential emissions avoidance and potential cost savings. Click [here](#) for Dell's Client Energy Savings Calculator, Data Center Capacity Planner, and Monitor Power Savings Calculator. Information on Energy Efficiency is available [here](#)

\* This document is informational only and reflects laboratory performance. Your product may perform differently, depending on the software, components and peripherals you ordered. Accordingly, the customer should not rely upon this information in making decisions about electrical tolerances or otherwise. No warranty as to accuracy or completeness is expressed or implied. For more details visit [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

**Declared Noise Emissions in accordance with ISO 9296 (tested in accordance with ISO 7779)**

**Computers**

Service Level	Sound Power (LWAd, bels) (1 bel=10 decibels, re 10-12 Watts)	Sound Pressure Operator Position (LpAm, decibels) (re 2x10 <sup>-5</sup> Pa)	Sound Pressure Bystander Position (LpAm, decibels) (re 2x10 <sup>-5</sup> Pa)
<b>Hard Drive Accessing</b>	3.4	<b>22.6</b>	<b>20.5</b>
<b>Optical Drive Accessing</b>	5.3	<b>42.3</b>	<b>38.3</b>
<b>Idle</b>	3.4	<b>22.5</b>	<b>20.6</b>
<b>CPU activated (at a utilization of 50%) ECMA-74</b>	3.5	<b>23.2</b>	<b>21.5</b>



## VII. PRODUCT MATERIALS INFORMATION<sup>1</sup>

Information on Dell's material use is available [here](#).

To review Dell's Restricted Material Guidance document click [here](#).

- The case material is, > ABS<
- This product contains 10.8% post-consumer recycled plastic
- Marking of plastic parts greater than 25 grams are done in accordance with ISO 11469 (see below)

### Flame Retardants Used in Motherboard

Part	Flame Retardant
Motherboard	FR-4

### Flame Retardants Used in Mechanical Plastic Parts > 25 grams

Resin Material Name	Marking per ISO 11469:2000, 11469:1996	Flame Retardant Marking per ISO 1043-4 (i.e. FR(16), FR(40), etc.)	Flame Retardant (i.e. TBBPA, triaryl phosphate ester, etc.)	List applicable R-Phrase(s) or Hazard Statement(s) per EU Directive 67/548/EEG or 1272/2008
BEZEL_BASE	>ABS<	N/A	N/A	N/A

### Mercury Information

Number of bulbs	Average per bulb
0	0

## DECLARATION OF CONFORMITY WITH GAZETTE OF INDIA: EXTRAORDINARY, E-WASTE (MANAGEMENT & HANDLING) RULES (INDIA ROHS)

Manufacturer Name and Address:

Dell Inc.  
One Dell Way  
Round Rock, Texas, USA  
78682

Dell Inc. declares that all Dell branded products have been designed and manufactured in compliance with E-Waste (Management & Handling) Rules<sup>2</sup> on the reduction in the use of hazardous materials in the manufacture of electrical and electronic equipment and their maximum allowed concentrations by weight in the homogenous material (except for the exemptions listed in schedule II).

Substance	Concentration
Lead	0.1%
Mercury	0.1%
PBB (Polybrominated Biphenyls)	0.1%
PBDE (Polybrominated Diphenyl Ethers)	0.1%
Hexavalent Chromium	0.1%
Cadmium	0.01%

<sup>1</sup> **Waste Handling.** Local regulations should be observed when disposing of this product due to the presence of the materials and substances as listed above.

<sup>2</sup> E-Waste (Management & Handling) Rules 2011, by the Ministry of Environment & Forests, Government of India dated May 12, 2011.



Compliance has been verified via internal design controls, supplier declarations, and/or analytical test data. The undersigned below possesses the complete technical documentation relating to the declaration of compliance.

**For additional information please visit:**

- Restricted Material Compliance [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)
- Products MSDS (Material Safety Data Sheets):

Batteries:

[http://www.dell.com/content/topics/topic.aspx/global/shared/about\\_dell/values/regulatory\\_compliance/en/dell\\_battery\\_declaration\\_january2011?c=us&l=en&s=corp&~ck=anavml](http://www.dell.com/content/topics/topic.aspx/global/shared/about_dell/values/regulatory_compliance/en/dell_battery_declaration_january2011?c=us&l=en&s=corp&~ck=anavml)

Printer Toner and Ink:

[http://www.dell.com/downloads/global/corporate/enviro/comply/MSDS\\_doc.pdf](http://www.dell.com/downloads/global/corporate/enviro/comply/MSDS_doc.pdf)

## VIII. PACKAGING

Information on Dell's sustainable packaging effort available [here](#).

Additional materials restricted in Packaging as per Dell's Restricted Material Guidance document found [here](#).

Packaging Materials	Total Weight of each Material type, (kg)	% of Post-Consumer Recycled Content (PCR)		
		APJ region	DAO region	EMEA region
Corrugate	1.12	Min 25%	Min 25%	Min 25%
Molded Paper Pulp	0.4	n/a	100%	100%
EPE Cushions	0.18	0%	n/a	n/a

## IX. BATTERIES

Below is a listing of batteries that could be present in the product:

Battery Description – Batteries	Battery Type	Battery Weight (kg)
Coin type lithium manganese battery	CR2032	0.0032kg

## X. DESIGN FOR ENVIRONMENT

Dell systems are, when applicable, designed for easy assembly, disassembly, and servicing.

For more information on product Recyclability please click [www.dell.com/environmental\\_information](http://www.dell.com/environmental_information)

## XI. RECYCLING/ END-OF-LIFE SERVICE INFORMATION

Take back and recycling services are offered for this product in certain countries. If you want to dispose of system components, contact Dell for instructions by emailing [recycling\\_emea@dell.com](mailto:recycling_emea@dell.com) or visit [www.dell.com/recyclingworldwide](http://www.dell.com/recyclingworldwide) and select the relevant country.