

PowerEdge R640 Information Update - Tech Sheet

Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.

Contents

Chapter 1: Overview..... 4
 Revision history..... 4

Chapter 2: Information Update..... 5
 PSU specifications..... 5

Overview

The information in this document supersedes the information in the pertinent sections of the Installation and Service Manual, BIOS and UEFI Reference Guide, and Technical Specifications

For a complete list of information, see the documents available at <https://www.dell.com/poweredgemanuals>

Topics:

- [Revision history](#)

Revision history

This section provides a description of document changes.

Table 1. Document Revision history

Document Revision	Date	Description of changes
2	Nov, 2022	1. Updated psu_specification
1	June, 2022	1. Updated storage_controller 2. Updated system_profile_settings

Information Update

Topics:

- [PSU specifications](#)

PSU specifications

The PowerEdge R640 system supports up to two AC or DC power supply units (PSUs).

Table 2. PSU specifications

PSU	Class	Heat dissipation (maximum)	Frequency	Voltage
495 W AC	Platinum	1908 BTU/hr	50/60 Hz	100–240 V AC, autoranging
750 W AC	Platinum	2891 BTU/hr	50/60 Hz	100–240 V AC, autoranging
750 W Mixed Mode AC	Platinum	2891 BTU/hr	50/60 Hz	100–240 V AC, 10 A - 5 A
750 W AC	Titanium	2843 BTU/hr	50/60 Hz	200–240 V AC
750 W Mixed Mode HVDC (for China only)	Platinum	2891 BTU/hr	50/60 Hz	100–240 V AC
750 W Mixed Mode DC (for China only)	N/A	2891 BTU/hr	50/60 Hz	240 V DC, 4.5 A
1100 W DC	N/A	4416 BTU/hr	50/60 Hz	–(48–60) V DC
1100 W Mixed Mode HVDC (for China and Japan only)	Platinum	4100 BTU/hr	50/60 Hz	100–240 V AC and 200–380 V DC
1100 W AC	Platinum	4100 BTU/hr	50/60 Hz	100–240 V AC
1600 W AC	Platinum	6000 BTU/hr	50/60 Hz	100–240 V AC
1600 W AC	Titanium	5970 BTU/hr	50/60 Hz	200–240 V AC

NOTE: If system with 1100 W AC or HVDC PSU operates from 100 to 120V, the power rating per PSU is derated to 1050 W.

NOTE: If system with 1600 W PSUs operates from 100 to 120 V, then the power rating per PSU is derated to 800 W.

NOTE: Heat dissipation is calculated using the PSU wattage rating.

NOTE: This system is also designed to connect to the IT power systems with a phase to phase voltage not exceeding 230 V.

NOTE: PSUs rated for 1600 W and higher require high-line voltage (200-240 V) to supply their rated capacity.