SUN RACK II

KEY BENEFITS

OPTIMIZE YOUR SPACE

- Optimization for vertical density
- Choice of 1,058 mm or 1,200 mm depth
- Highest-capacity power in two of the smallest footprints available
- Easy-to-install, compact PDUs with phase-current metering capabilities
- Ease of use and maintenance in robust and safe designs capable of shipping fully loaded
- Consistency with the latest Oracle rack-mount products for a uniform look in the data center

The two models of Oracle's new Sun Rack II offer your data center ease of use, flexibility, and optimal application of your limited space to bring better ROI and utilization to your IT infrastructure. Offering 42U capacity, these innovative, industry-standard 19-inch racks pack a maximum number of components, cables, and accessories into two floor tiles' worth of space while providing the power infrastructure you need.

Designed for vertical density, the Sun Rack II provides a minimized footprint for optimization of data center space.

Sun Rack II Product Overview

The Sun Rack II product line is well suited to a variety of data center environments. This robust and cost-effective family of racks is optimized for vertical density and provides a uniform appearance in your data center when installed with the latest Oracle servers and storage products. The racks can be purchased with a strong shipping pallet for transport when fully integrated with components. They offer an assortment of zero-RU, easily installed, metered power distribution units (PDUs) for maximal rack power capacity in a minimal footprint. In addition, they have been optimized for cooling, and both the front and rear doors have 80 percent perforations that provide a high level of airflow through the rack.

Sun Rack II Features

The Sun Rack II includes the following features:

- 42U height, choice of 1,058 mm or 1,200 mm depth, and 600 mm width, with industry-standard 19-inch adjustable square-hole RETMA rails to accommodate most Oracle and third party rack-mountable IT equipment
- Selection of zero-RU PDU options with various input and output connectors, providing the highest density in the lowest profile

- 80 percent door perforations, enabling a high level of airflow through the cabinet
- Extruded aluminum frame and reduced rack height, making the rack relatively light and easy to handle and enabling it to be safely rolled through most standard doorways
- 2,215 lb. (1,005 kg) maximum load—a rugged platform users can populate with more components; available with enterprise packaging for safe shipment

Sun Rack II Specifications

PDUs

- A selection of 8 PDUs, from 10 kVA to 37 kVA, is available in single- and three-phase, low- and high-voltage versions, with 14 to 45 C13 and two to 9 C19 outlets available on a single PDU.
- Designed for quick and easy installation, each easy-to-mount PDU takes up zero RU, enabling high vertical density and providing unobstructed access to rear FRUs and accessories.
- The flexibility to add or change PDUs based on new data center wiring means that the rack can be upgraded with higher-density PDUs.
- Rack-level power metering capability* with an LCD PDU display screen and a remote network connection—and the ability to set threshold and alarm levels— prevents overloaded circuits by providing a visible warning when the current draw is close to the maximum amperage draw of the PDU strip

Stabilization Features

- Two foldaway anti-tilt bars inside the rack to ensure balance and prevent tipping during equipment service from the front
- Four leveling feet that can be lowered to the floor
- Four floor-mounting brackets for extra safety

Dimensions

Model 1242	Model 1042
Height: 199.8cm (78.7 in.) Width: 60cm (23.6 in.) Depth: 120cm (47.2 in.) Weight: 150.6 kg (332 lbs.) empty	Height: 199.8cm (78.7 in.) Width: 60cm (23.6 in.) Depth: 105.8cm (41.66 in.) Weight: 123.4 kg (272 lbs.)
Models 1242 and 1042	
Usable rack units	42
Depth between front and rear RETMA rails	685.8mm (27 in.) adjustable from 61.5mm(24.2 in.) to 825.8mm (32.4 in.)
Maximum dynamic load**	1,005 kg (2,215 lbs.)
Maintenance access requirement from rear	91.4cm (36 in.)
Maintenance access requirement from top	91.4cm (36 in.)

** Racks can be shipped with maximum load if enterprise packaging is used (models 1242E and 1042E).

Relevant Standards Supported

EIA 310-D

Sun Rack II Power Distribution Unit Specifications

Oracle offers a selection of 8 easy-to-install PDUs.

Specifications for Low-Voltage PDUs				
	10 kVA 1 ph	15 kVA 1 ph	15 kVA 3 ph	37 kVA 3 ph
Amps per PDU	48 A (2 × 24 A)	72 A (3 × 24 A)	69 A (3 × 23 A)	180 A (9 × 20 A)
Outlets	42 C13 and 6 C19	42 C13 and 6 C19	42 C13 and 6 C19	45 C13 and 9 C19
Number of Inputs	Two 30 A, 1 ph	Three 30 A, 1 ph	One 60 A, 3 ph	Three 60 A, 3 ph
Current	24 A max. per input	24 A max. per input	40 A max. per phase	34.6 A max. per phase
Data Center Receptacle	NEMA L6-30R	NEMA L6-30R	IEC 309- 3P4W-IP67 60 A, 250 V AC, 3 ph	IEC 309- 3P4W-IP67 60 A, 250 V AC, 3 ph
Rack Compatibility	Models 1242 and 1042	Models 1242 and 1042	Model 1242	Model 1242
Specifications for High-Voltage PDUs				
	10 kVA 1 ph	22 kVA 1 ph	15 kVA 3 ph	37 kVA 3 ph
Amps per PDU	48 A (2 × 24 A)	96 A (3 × 32 A)	62.7 A (3 × 20.9 A)	163 A (9 × 18.1 A)
Outlets	42 C13 and 6 C19	42 C13 and 6 C19	42 C13 and 6 C19	45 C13 and 9 C19
Number of Inputs	Two 25 A, 1 ph	Three 32 A, 1 ph	One 25 A, 3 ph	Three 25 A, 3 ph
Current	25 A max. per input	32 A max. per input	25 A max. per phase	18 A max. per phase
Data Center Receptacle	IEC 309- 2P3W-IP44 32 A, 250 V AC	IEC 309- 2P3W-IP44 32 A, 250 V AC	IEC 309- 4P5W-IP44 32 A, 400 V AC, 3 ph	IEC 309- 4P5W-IP44 32 A, 400 V AC, 3 ph
Rack Compatibility	Models 1242 and 1042	Models 1242 and 1042	Model 1242	Model 1242

Warranty

Visit oracle.com/sun/warranty for Oracle's global warranty support information on Sun products.

Services

Visit oracle.com/sun/services for information on Oracle's service program offerings for Sun products.

Contact Us

For more information about [insert product name], visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

Oracle is committed to developing practices and products that help protect the environment

Copyright © 2012, Oracle and/or its affiliates. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. UNIX is a registered trademark licensed through X/Open Company, Ltd. 1010

Hardware and Software, Engineered to Work Together