

Exact Identity and Rack Role

Bently Nevada 114M5330-01

The manufacturer's 3500/15 spare-parts list identifies 114M5330-01 as a Low Voltage DC Power Supply. This is the front power-supply module, not the rear Power Input Module (PIM).

Documented System Identity

ITEM	MANUFACTURER-DOCUMENTED FACT
Exact spare number	114M5330-01 - Low Voltage DC Power Supply.
System family	3500/15 AC and DC Power Supplies in a 3500 rack.
Companion input module	114M5335-01 - Low Voltage DC PIM.
Installation position	One of two dedicated half-height power positions at the left side of the rack.
Rack role	Converts source input to voltages acceptable to other 3500 modules.

Important distinction

The datasheet separately lists 133292-01 and 133300-01 as legacy low-voltage DC items. Do not treat a legacy module or PIM as interchangeable with 114M5330-01 / 114M5335-01.

Related Products on Apter Power

Bently Nevada 114M5335-01	View Bently Nevada 114M5335-01 page
Bently Nevada 3500/05-01-02-00-00	View Bently Nevada 3500/05-01-02-00-00 page
Bently Nevada 3500/15 106M1079-01	View Bently Nevada 3500/15 106M1079-01 page
Bently Nevada 3500/15 106M2686-00	View Bently Nevada 3500/15 106M2686-00 page
Bently Nevada 3500/15 127610-01	View Bently Nevada 3500/15 127610-01 page
Bently Nevada 3500/15 133292-01	View Bently Nevada 3500/15 133292-01 page
Bently Nevada 133300-01	View Bently Nevada 133300-01 page
Bently Nevada 3500/15-05-05-01	View Bently Nevada 3500/15-05-05-01 page

Electrical and Environmental Data

Published 3500/15 Low-Voltage DC Conditions

DOMAIN	VALUE AND SCOPE
Input range	20 to 30 Vdc with the designated low-voltage DC PIM.
Input current	11.0 A maximum for a fully loaded rack on the low-voltage DC input option.
Supply status	Front-panel Supply OK LED.
Minimum rack load	No minimum load is required.
Operating temperature	-30 to +65 degrees C for the 3500/15 supply family.
Storage temperature	-40 to +85 degrees C.
Humidity	Up to 95% non-condensing.

Rating boundary

The current figure is a full-rack input limit, not a measured consumption or output-current rating of the individual 114M5330-01 module. Confirm the installed rack load and PIM before energization.

Related Products on Apter Power

Bently Nevada 3500/15 133292-01	View Bently Nevada 3500/15 133292-01 page
Bently Nevada 133300-01	View Bently Nevada 133300-01 page
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Redundancy and Integration

3500 Rack Supply Architecture

CONFIGURATION	DOCUMENTED BEHAVIOR
Single supply	One installed supply can power a full 3500 rack.
Dual supply	The rack can contain two power supplies in an approved AC/DC combination.
Lower position	Primary power supply when both positions are populated.
Upper position	Backup for the primary supply.
Module exchange	Insertion or removal of one supply does not interrupt the rack when a second working supply remains installed.
Input interface	The PIM mounts behind its corresponding supply position and interfaces the external source.

Controlled-use boundary

Redundant operation is an engineered rack configuration, not proof that any arbitrary power module, PIM, wiring or revision is compatible. Verify the installed pair against the current manufacturer record.

Related Products on Apter Power

Bently Nevada 114M5335-01	View Bently Nevada 114M5335-01 page
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Bently Nevada 3500/15 133292-01	View Bently Nevada 3500/15 133292-01 page
Bently Nevada 133300-01	View Bently Nevada 133300-01 page

Verification and Source

Model-Specific Verification

CHECK	ACCEPTANCE EVIDENCE
Part marking	114M5330-01 is recorded exactly; legacy low-voltage DC hardware is distinguished.
PIM pairing	The designated 114M5335-01 PIM and installed power feed are confirmed.
Input	DC source and wiring agree with the published 20-30 Vdc option.
Rack positions	Primary / backup slot assignment is documented for this rack.
Status	Supply OK and controlled rack diagnostics are checked before release.

Questions That Change the Decision

QUESTION	ENGINEERING ANSWER
Is 114M5330-01 the rear PIM?	No. 114M5335-01 is the corresponding low-voltage DC PIM.
Can a legacy DC PIM be reused?	No. Current and legacy DC supply/PIM generations are not compatible.
Does a single 114M5330-01 support a rack?	The 3500/15 architecture permits one supply to power a full rack.

Manufacturer source record

Bently Nevada 3500/15 AC and DC Power Supplies Datasheet, 141530 Rev. P. Exact spare-part listing and family specifications; consult the current manufacturer installation instructions for work authorization.

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