01 / Power-supply dashboard

BENTLY NEVADA

3300/12-01-20-01

AC Power Supply

Rack role

Bently Nevada 3300/12-01-20-01 is a 3300/12 AC power supply for 3300 monitoring racks, configured for 95–125 Vac input and a standard Power Input Module.

Primary input
95–125 Vac

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Rack supply
Regulated power

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Monitors
Up to 12

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Transducers
Selectable supply

Power Input Module
Standard Power Input Module

Approval selection
CSA/NRTL/C option (01)

02 / Electrical and environmental profile

Domain	Documented characteristic	Application condition
Primary supply	95–125 Vac; 1.0 A maximum	Single-phase 50–60 Hz; verify actual voltage selection
Transducer power	-24 Vdc (+0%/-2.5%) or -18 Vdc (+1%/-2%)	Jumper-selected on the Power Supply PWA
Protection	Individual-channel overload protection	Provided on the monitor circuit boards
OK relay	Hermetically sealed SPDT; normally energized	On the Power Input Module behind the supply
Environment	General operation 0 to +65 °C; storage -40 to +85 °C	95% RH noncondensing; approval conditions can be more restrictive

Configuration boundary

The CSA/NRTL/C option must be checked against the actual module marking and approved system installation.

03 / Rack integration and applications

System arrangement

Review the 3300 System Monitor, backplane and monitor firmware as a matched arrangement. The 3300/12 is not a direct power-supply replacement for an Original 3300 backplane.

3300 rack power

Supply a matched 3300 monitoring rack from 95–125 Vac. One supply supports up to 12 monitors and their associated transducers.

Transducer supply selection

Select the -24 Vdc or -18 Vdc transducer supply through the Power Supply PWA jumper. Match the selection to the installed monitors and transducers.

Rack fault annunciation

Connect the normally energized OK relay to an external annunciator under the approved rack wiring design. A loss of primary power or monitoring integrity must be visible to operators.

Power-input integration

Use the standard Power Input Module with the specified supply and compatible rack backplane. Review the System Monitor and monitor firmware before replacement.

04 / Selection and service decisions

Confirm the input selection

Check 95–125 Vac, maximum input current 1.0 A, and the actual module configuration before connecting power. Input changes require the correct soldered jumper and external fuse.

Match the rack generation

Review the 3300 System Monitor, backplane and monitor firmware as a matched arrangement. The 3300/12 is not a direct power-supply replacement for an Original 3300 backplane.

Check the Power Input Module

Standard Power Input Module is the ordered selection. Confirm the actual rear module and field wiring; do not interchange backplane generations without the applicable compatibility review.

Set the transducer supply

Verify the -18 Vdc / -24 Vdc jumper against the installed transducers and monitoring channels. A supply replacement must preserve the intended channel configuration.

Respect approval conditions

The CSA/NRTL/C option must be checked against the actual module marking and approved system installation.

Plan loss of protection

Isolate rack power before removal and follow the site machinery-protection procedure. Restore and verify rack indications and external OK-relay annunciation before releasing the system.

05 / Support, references and related products

Lifecycle and supply

A current manufacturer lifecycle phase has not been confirmed for 3300/12-01-20-01. Request current Bently Nevada support and replacement guidance using the complete marking and installed rack configuration. Apter Power availability is confirmed separately in the quotation.

Reference basis

Bently Nevada 3300/12 AC Power Supply, 141496-01 Rev. H; Bently Nevada 3300 System Compatibility Guide, 104003-01 Rev. G.

Apter Power planning summary, not a Bently Nevada-issued installation manual. Apply the original manufacturer instructions and approved site procedures.

Related Bently Nevada products

Navigation only; no compatibility or substitution claim.

Bently Nevada 3300/14-01-22-00

Bently Nevada 3300/03-02-01

Bently Nevada 3300/55-01-04-02-02-00-00-05-00

Discuss your installed rack

Send the complete supply marking, input and rack configuration.

sales13@apterpower.com | +86 18030235313