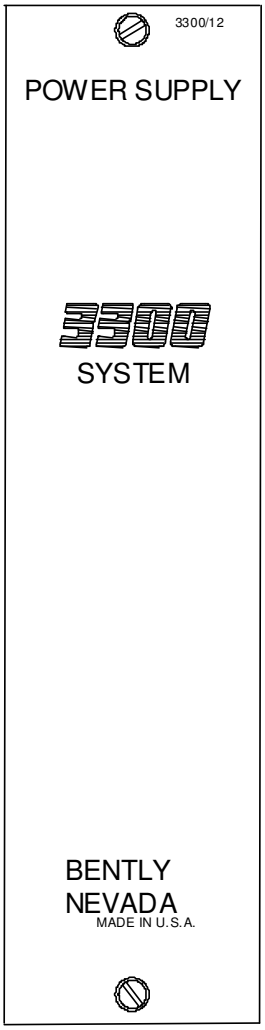
3300/12 ac Power Supply

Bently Nevada™ Asset Condition Monitoring



Description

The 3300 ac Power Supply delivers reliable, regulated power for up to 12 monitors and their associated transducers. A second Power Supply in the same rack is never required.

The Power Supply is installed in the left-most location (position 1) in a 3300 rack, and converts 115 Vac or 220 Vac into dc voltages used by the monitors installed in the rack. The Power Supply is equipped with a line noise filter as standard.

⚠ Warning

A transducer field wiring failure, monitor failure, or loss of primary power can cause loss of machinery protection. This could result in property damage and/or bodily injury. Therefore, we strongly recommend connection of an external annunciator to the OK relay terminals.

imagination at work

Specifications

Inputs

Power:

95 to 125 Vac, single phase, 50 to 60 Hz, at 1.0 A maximum, or 190 to 250 Vac single phase, 50 to 60 Hz, at 0.5 A maximum. Field changeable via soldered jumper and replacement of external fuse.

Primary Power Surge at Power-up:

26 A peak, or 12 A rms, for one cycle.

Fuse Rating, 95 to 125 Vac:

95 to 125 Vac: 1.5 A slow blow

190 to 250 Vac: 0.75 A slow blow

Outputs

Transducer Power (internal to rack):

User-programmable -24 Vdc, +0%, -2.5%; or

-18 Vdc, +1%, -2%; transducer voltages are overload protected, per channel, on the individual monitor circuit boards.

OK Relay

Location:

Behind the Power Supply, at the Power Supply Input Module.

Type:

Single-pole, double-throw (SPDT).

Environmental Sealing:

Hermetically-sealed.

Contact Ratings (resistive load):

5 A at 28 Vdc; 5 A at 120 Vac, 50/60 Hz; 3 A at 220 Vac, 50/60 Hz.

Ratings for systems requiring agency approval:

5 A at 28 Vdc; 5 A at 120 Vac, 50/60 Hz (30 Vac for ATEX).

Contact Life:

10,000 cycles minimum at rated load.

Operation:

normally energized.

Environmental Limits

Operating Temperature:

0°C to +65°C (+32°F to +150°F).

Storage Temperature:

-40°C to +85°C (-40°F to +185°F).

Relative Humidity:

To 95%, noncondensing.

CE Mark Directives

EMC Directive

Certificate of Conformity: 158710

Low Voltage Directive

Certificate of Conformity: 135300

Hazardous Area Approvals

CSA/NRTL/C

Class I, Div 2

Groups A, B, C, D

T4 @ Ta = +65 °C

Certification Number

150368 – 1002151 (LR 26744)

ATEX

 II 3 G

EEx nC[L] IIC

T4 @ Ta = -20°C to +60°C

When installed per document number 132577-01.

Certification Number

BN26744C-55A

Physical

Space Requirements:

One rack position. Installs only in position one (left-most position, next to System Monitor).

Weight:

1 kg (2.2 lbs.).

Ordering Information

For spares, order the complete catalog number as described below. This includes a front panel assembly, power supply PWAs with sheet metal, and appropriate input module. This unit is optioned, tested and ready to install in your system. Spare power input modules (PIM) can be ordered separately.

ac Power Supply

3300/12-AXX-BXX-CXX

Option Descriptions

A: Input Voltage Option

0 1	95-125 Vac 50/60 Hz
0 2	190-250 Vac 50/60 Hz

Note: Input Voltage Option is field-changeable. Ordering information only determines how the unit is shipped from the factory.

B: Power Input Module Option

2 0	Standard
2 2	Internal Safety Barriers
2 3	Spare supply only-No PIM

C: Agency Approval Option

0 0	Not Required
0 1	CSA/NRTL/C
0 2	ATEX self certification

Note: ATEX approval requires the monitor rack be installed in a weatherproof housing.

Spare Parts:

161956-AXX-BXX-CXX

Power Input Module (PIM) Assembly-dash options same as above

01701500

250V, 1.5 A Fuse(A=01,C=00,01)

01703118

250V, 0.75 A Fuse(A=02,C=00,01)

01710512

250V, 2.50 A Fuse(A=01,C=02)

01720007

250V, 1.25 A Fuse(A=02,C=02)

147262-01

Transformer Assembly

147262-02

Transformer Assy with Internal Barriers

Field-programmable Option

This option is field-programmable via plug-in jumpers.

Bold text indicates option as shipped from factory.

Transducer Output Voltage

-24 Vdc

-18 Vdc

Note: Contact your nearest sales professional if 3000 Series transducers (-18 Vdc power) are to be used in a monitoring rack which also uses 3300 and/or 7200 Series transducers (-24 Vdc power).

Accessories

128112

Galvanic Isolator Kit

02245002

External Barrier