PS-216EP-2412 PS-216EP-24

High Efficiency ITS Cabinet Power Supply Operations Manual

THIS MANUAL CONTAINS TECHNICAL INFORMATION FOR THE PS-216EP SERIES POWER SUPPLY.

> **REVISION: JULY 2009** pn 888-0216-001





THE PS-216EP SERIES POWER SUPPLY IS DESIGNED AND MANUFACTURED IN THE USA BY EBERLE DESIGN INC. PHOENIX, ARIZONA EDI IS CERTIFIED TO ISO 9001:2008 QUALITY SYSTEMS STANDARDS.

INFORMATION CONTAINED HEREIN IS PROPRIETARY TECHNICAL INFORMATION OF EBERLE DESIGN INC. PUBLICATION, REPRODUCTION OR USE IN WHOLE OR PART IS NOT PERMITTED EXCEPT UNDER TERMS AGREED UPON IN WRITING.

© COPYRIGHT 2009 EDI

PS-216EP-2412 and PS-216EP-24 ITS Cabinet Power Supply Operations Manual

1.1 OVERVIEW

The Model 216EP-2412 Cabinet Power Supply is a 19" rack mounted high efficiency dual switching power supply that provides a regulated +24VDC output and a fully independent and isolated +12VDC output for the ITS Cabinet. The Model 216EP-24 provides only a single +24VDC output.

The Model 216EP series provides output regulation across changes in AC Line voltage and full output load over the operating temperature range of -34C to +74C with no derating necessary. Power Factor Correction is also provided reducing peak AC Line input current and associated stress on wiring. The outputs are also protected against voltage transients by a 1500 Watt suppressor.

1.2 INDICATORS

A green LED indicator is provided to display AC Line input status and fuse integrity. Separate green LED indicators are also provided to display output status and fuse integrity for the DC outputs.

1.3 SPECIFICATIONS

131 AC POWER REQUIREMENTS

AC Operating Voltage	45 to 65 Hz
1.3.2 DC OUTPUTS +24VDC Output Voltage	
1.3.3 MECHANICAL Rack Height (2U)	19.0 inches
1.3.4 ENVIRONMENTAL Operating Temperature Range Storage Temperature Range Humidity (non-condensing)	45 to +85 °C

1.4 DC CONNECTOR

The connector mates with a Beau S-5404 or equivalent.

Model 216EP-24				
Pin	Function	Pin	Function	
13	+24VDC Out	14	+24VDC Out	
15	DC Ground	16	DC Ground	

Model 216EP-2412			
Pin	Function	Pin	Function
13	+12VDC Out	14	+24VDC Out
15	12V Ground	16	24V Ground

Viewed from Connector end:

