



The VBB Series power supplies are efficient high performance switching power supplies with battery charger and power supervision, capable of providing two outputs, user selectable for 12 or 24 VDC. One output provides continuous output power and the second is programmable to either fail-safe or fail-secure lock operation, when the on board fire alarm interface is activated. On-board visual indicators allow for immediate installer feedback. Independent form C relay contacts are provided to report AC and system fault conditions to remote or auxiliary equipment. The VBB Series are uninterruptible power supplies when stand-by batteries are connected. VBB power supplies are fully fault protected and feature fiberglass printed circuit boards to protect the electronics from water and other corrosive elements. High efficiency design promotes low heat generation leading to longer service life. These power supplies are RoHs compliant, lead-free, and meet the latest state, federal and European requirements for energy efficiency.

## FEATURES

- › **For use with VBB or VLB Controller**
- › **User selectable voltage**  
Continuous or switched
- › **Fire Alarm Interface**  
User programmable fail-safe or fail-secure operation
- › **Battery Charging**  
Independent charging circuit meets stricter UL output tolerance requirements  
Microprocessor dual rate charging restores battery sets from 4 to 40 Ah  
Automatic switch over to battery when AC fails  
Zero voltage dropout on battery transfer
- › **Protection**  
Over load protection / short circuit protection  
Over temperature protection  
AC line transient voltage protection (passing 6kV ring wave test)
- › **Supervision**  
AC Fail (form "C" contacts)  
System Fault (form "C" contacts) may be triggered by low/ no battery, short to earth ground and power supply failure
- › **Visual Indicators**  
AC input  
DC1, DC2 output  
Fire alarm activation  
AC fault  
System fault  
Short to earth ground  
Reverse battery polarity
- › **Reporting and Monitoring**  
Programmable AC and System fault delays  
Fire alarm interface for egress lock control  
Cumulative AC and System fault counters (user resettable)  
Total battery service hours (user resettable)  
Total power supply run-time hours  
Network or PC reporting of all system conditions  
- Requires DL1 USB cable for PC interface  
- Requires NetLink module for WAN/LAN connection

## SUPERVISED POWER SUPPLY/CHARGER SPECIFICATIONS

	VBB-3ALS	VBB-6ALS	VBB-10ALS
Batteries Supplied	Two (2) 12VDC 7AH back up batteries		
AC Input Voltage	120 or 230VAC		
AC Indicator	LED		
DC Output Voltage	12 VDC @ 6 A or 24 VDC @ 3 A	12 VDC @ 12 A or 24 VDC @ 6 A	12 VDC @ 20 A or 24 VDC @ 10 A
Module Dimensions	4.0"L x 6.0"W x 2.5"H	5.5"L x 8.25"W x 2.5"H	5.5"L x 8.25"W x 2.5"H
Input Power (max)	83 Watts	170 Watts	282 Watts
Outputs Power	75 Watts	150 Watts	250 Watts
Efficiency	85%	88%	87%
Battery Charge Capacity	40 Amp Hours	80 Amp Hours	80 Amp Hours
Default Charge Current	1 Amps	2 Amps	2 Amps
BTU Rating	33 BTU/Hr	66 BTU/Hr	109 BTU/Hr
Enclosure Dimensions	14"L x 12"W x 4.5"D	14"L x 12"W x 4.5"D	14"L x 12"W x 4.5"D
Operating Temperature Range	0 - 49°C (32 - 120°F)	0 - 49°C (32 - 120°F)	0 - 49°C (32 - 120°F)
Weight with Enclosure	11 lbs (4.99 kg)	11.5 lbs (5.22 kg)	11.5 lbs (5.22 kg)
Approvals	UL listed for UL 294 Access Control and more		

## ORDERING INFORMATION

Part Number	Description
VBB-3ALS	75 W, 6A/12 VDC or 3A/24 VDC Switching Power Supply with Charger
VBB-6ALS	150 W, 12A/12 VDC or 6A/24 VDC Switching Power Supply with Charger
VBB-10ALS	250 W, 20A/12 VDC or 10A/24 VDC Switching Power Supply with Charger
Included Accessories	Installation Manual and Product CD
Compatible Options (sold separately)	VBB bright blue 32-Door Web-Based Access Control Platform VLB lite blue 8-Door Web-Based Access Control Platform VLOCK - Enclosure Lock (comes with (2) keys, tamper switch and cables) PDD-FT DC Fire Transfer Relay Module DCPM-1 Adjustable DC Output Voltage Module PDM-4 Low Voltage 4 Output Power Distribution Module PDM-8 Low Voltage 8 Output Power Distribution Module PDM-9 Low Voltage 9 Output Power Distribution Module

In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

## PDD-FT DC FIRE TRANSFER RELAY MODULE

- Non latching or latching mode
- Universal 11-29 VDC Operation
- Reverse polarity protected
- Normally on & normally off Output
- Output LED indicates condition
- Form C contacts indicates trigger status
- 12 A transfer relay contacts
- RoHS Lead Free
- Module Dimensions: 2.23"W x 3.75"L x .8"H
- Ambient Temperature in Enclosure: -4°F to 95°F
- Humidity: 95% RH Non Condensing
- Weight: 2.2oz
- UL listed for UL 294 Access Control and more
- Outputs can be triggered with:
  1. N/O or N/C switch with supervised EOL
  2. N/C switch with over ride
  3. N/C switch with AUX-IN auxiliary
  4. Ground on any trigger input when green jumper is enabled

## DCPM-1 ADJUSTABLE DC OUTPUT VOLTAGE MODULE

- 6-26 VDC adjustable DC output voltage
- Low voltage AC or DC Input
- Up to 1 A continuous supply current
- Clean Linear output
- Electronically protected against over current and temperature
- Module Dimensions: 1.1"W x 2L" x 2.38"H
- Ambient Temperature in Enclosure: -4°F to 95°F
- Humidity: 95% RH Non Condensing