

360-80 ICB Powering Accessories

Battery Backup Unit (BBU)

The BBU provides 7 amp-hour battery backup power for the 360-80 ICB (Intelligent Channel Bank), or for any other equipment requiring continuous service at 48 VDC and 2 amps current draw. The unit is intended for indoor use and can be mounted in a 19" or 23" rack enclosure, on a desk, or on a wall. The BBU is comprised of a Power Supply/Battery Charger, Battery Pack and Controls for Alarm Relays and Visual Indicators.



The BBU accepts 120 or 240 volts AC (50/60 Hz) and converts it to -48 VDC. AC input and DC output is filtered to ensure the 360-80 IAD is provided with stable, continuous power. Output power is monitored and short circuit protected.

If input AC power is interrupted or drops below acceptable levels, audible and visual alarm indications will be given and attached equipment will switchover to battery power being supplied by four 7.2 amp-hour batteries. If equipment runs off the batteries for enough time to reduce the output voltage below the operating threshold, the system will disconnect the batteries from the equipment and an additional alarm indication will be given. This feature ensures that connected equipment will not attempt to operate at a voltage below specification, preventing possible damage to internal components.

When AC power is restored, the alarm indication will be canceled. The integrated battery charger will then begin to recharge the battery pack. Battery pack condition is monitored every few days by the monitor circuit. If battery condition fails to meet specifications, an alarm indication will be given.

Features

- Overcurrent protection/filtering
- AC input protection/filtering
- DC output protection filtering
- Low AC voltage protection
- Low battery voltage disconnect
- Hot-swappable batteries
- 6-hour maximum recharge time
- Alarm termination for major and minor alarms
- Rack, wall or desk mountable
- Meets FCC Class A requirements, C-UL 1950, EN 60950, EN 55022 and EN 55024

Specifications

Electrical

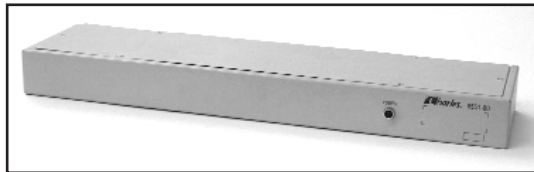
AC Input:	120/240 VAC @ 50 Hz
AC Circuit Breaker:	3 amps
DC Output:	-38 VDC to -56 VDC
DC Battery Fusing:	3 amps (SLO-BLO)
Holdover Power:	7 amp-hours @ -48 V

Physical

Height:	3.5"
Width:	17"
Depth:	12"
Weight (w/o batteries):	23 lbs.
Weight (w/batteries):	46 lbs.
Operating Temperature:	0° to 122° F

Power Supplies

The **855180 Rackmount Power Supply** accepts standard 120 VAC input (operation from 95 to 132 VAC, 47-63 Hz) and provides regulated 48VDC output to the 360-80 ICB. The maximum current output of the 855180 is 2.5 amps. A compact, metal housing includes a 6-foot, 3-wire power cord to plug into any convenient 120VAC grounding-type receptacle. Repositionable mounting brackets allow the unit to be placed in both 19" and 23" rack enclosures.



Physical Dimensions:

Height: 1.75"
Width: 19" or 23"
Depth: 4.33"
Weight: 3.2 lbs.

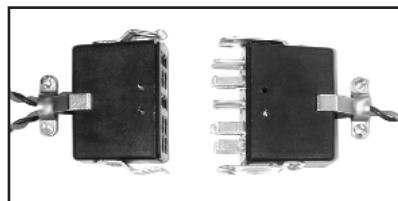
Electrical Specifications:

AC Input: 95-250VAC @ 47-63 Hz
AC Fuse: 250VAC, 4 amp, Slow Blo
DC Output: 48VDC \pm .5V
Output Current: 2.5 amps

For applications that utilize multiple ICBs, the **842200 Rackmount Power Supply** is available. The 842200 is a 48 VDC, 10 amp power supply capable of providing power to up to five 360-80 ICBs. Please call for specifications.

Redundant DC Power Kit

Use the Charles Industries' Redundant DC Power Kit to enable multiple power source connections to the 360-80 ICB shelf, ensuring maximum protection for critical applications. The kit contains a Male 10-pin connector with a single pair of red and black wires and a Female 10-pin connector with two pair of red and black wires for connection of two power sources.



Ordering Information

Part Number	Description
98-BBU104-A	Battery Backup Unit with Battery Pack
93-BBU104-B	Battery Backup Unit (Supply and Charger only, batteries sold separately)
97-BBU104-A	4 Battery Pack
93-855180-A	Power Supply Kit, 2.5 amp
93-842200-A	Power Supply Kit, 10 amp
97-001786-A	Redundant DC Power Kit


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