



V10 Power Supply
Wide Range



Key Features

- Operates from either ac or dc source
- 115V/230V ac
- 24/48/125/250V dc
- 25W minimum output power from the combined 5V and 3.3V supplies
- Standard cPCI power connector

The (V10) power supply can operate from any voltage between 20-300V dc or 55-275V ac. It is therefore possible to power the Bitronics M87x with ac or dc station power or an auxiliary PT, provided the voltage remains above 55V ac or 20V dc.

Input Voltage

- 24-250V dc, 69-240V ac (50/60Hz) nominal
- 20-300V dc, 55-275V ac (45-65Hz) operating range

Output Voltage

- 3.3V dc, 5V dc, and +/-12V dc

Maximum Output Power and Voltage

- (5V and 3.3V supplies are independent)

Nominal Vin	Max Output Power			Max Output Current		Min. Interruption Ride-Through*
	3.3V	5V	TOTAL	3.3V	5V	
24 V dc	12.5W	12.5W	25W	3.75A	2.5A	2.5ms
48 V dc	17.5W	17.5W	35W	5.3A	3.5A	6.5ms
69 V dc	17.5W	17.5W	35W	5.3A	3.5A	10ms
125 V dc	17.5W	17.5W	35W	5.3A	3.5A	35ms
120 V dc	17.5W	17.5W	35W	5.3A	3.5A	50ms
250 V dc	17.5W	17.5W	35W	5.3A	3.5A	140ms
230 V dc	12.5W	12.5W	25W	3.75A	2.5A	220ms
240 V dc	12.5W	12.5W	25W	3.75A	2.5A	230ms

*M871-V10-S10-H10-A10-P11-P30A (all relays energized)

- Capable of delivering up to 500mA at +/-12V dc

Input Connections

- Removable Terminal Block, accepts 26-12AWG (0.15-3.3mm²) wire, or terminal lugs up to 0.325" (8.25mm) wide
- Standard 0.200" (5.08mm) header socket accepts other standard terminal types

Module Chassis Interface

- Standard cPCI-specified power connector

Front Panel Features

- 5V dc and 3.3V dc power indicator LEDs

Environmental Features

- -40C to +70C operating temperature
- 0-95% non-condensing relative humidity
- IC III (Distribution Level), Pollution Degree 2 Installation category

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