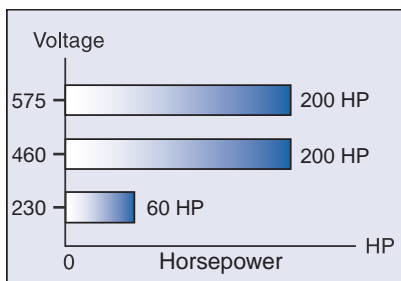
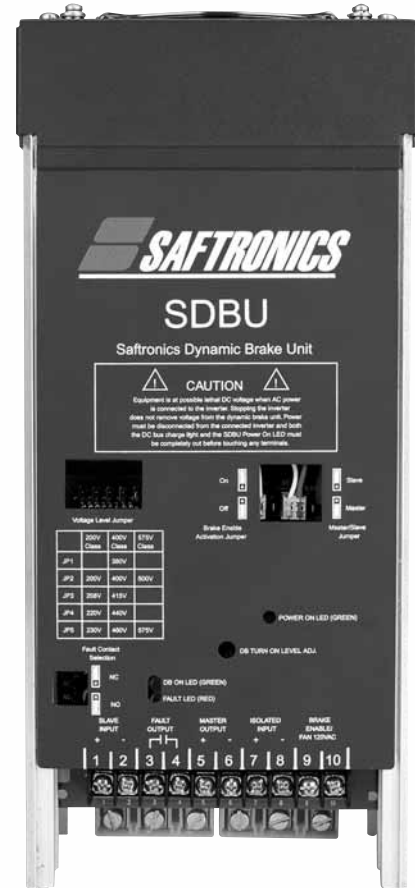


SDBU Dynamic Brake Module

DRIVES FOR EVERY INDUSTRY

- Only 1 module required to 200 HP (at 460 V)
- Oversized power transistor module
- Logic powered directly from DC bus
- Diagnostic LED's for Power On, DB On and Fault
- Same wiring as previous generation ("CDBR")
- Smaller mounting footprint
- Enhanced protective features:
 - Heatsink overtemperature
 - IGBT failure
 - Open DB resistor
- Isolated signals for convenient master/slave connection
- "Enable" digital input to prevent mis-operation due to high plant voltage
- UL, cUL



SINGLE MODULE RATING
(Fan Cooled Version)

NOTE:

Up to 3 units can be connected using master/slave for higher HP applications.

**24/7
Emergency
Support**

Call **800 533-0031**

To maintain maximum uptime and performance, Saftronics offers a **24 hour / 7 day per week toll free emergency support**. The Saftronics technical support team is available for trouble shooting assistance as well as weekend and holiday shipment of repair parts.



SAFTRONICS
www.saftronics.com

5580 Enterprise Parkway
Fort Myers, FL 33905
Phone (239) 693-7200
Fax (239) 693-2431
www.saftronics.com

SDBU

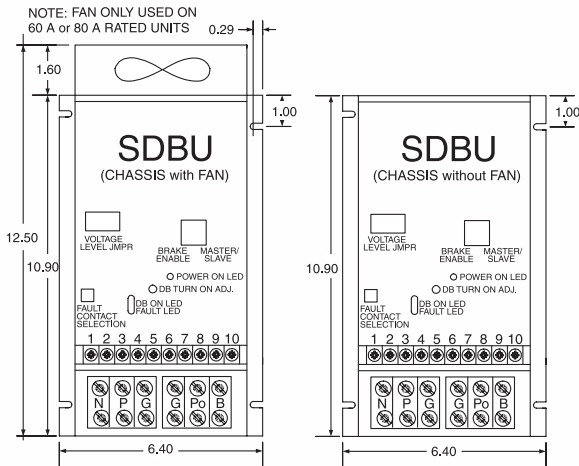
High Power / Compact Package



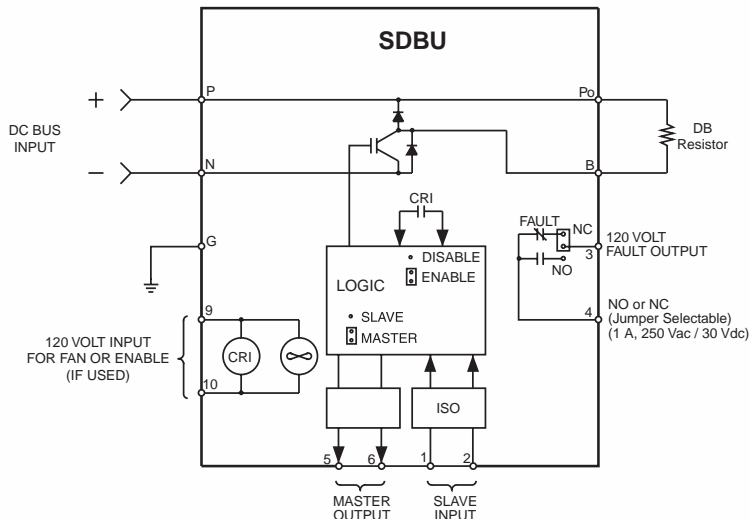
RATINGS / DIMENSIONS

Voltage	Horsepower	Model Number	Part Number	Continuous DC Rating	Quantity Required	Minimum Resistance (per module)	Dimensions H" x D" x W"
230 V	0 - 10	Safronics Inverters have internal DB Modules					
	15 - 30	SDBU-2030	909-0001	30 A	1	5 Ohms	10.9 x 5.2 x 6.4
	40 - 60	SDBU-2080	909-0002	80 A	1	2.5 Ohms	12.5 x 5.2 x 6.4
	75-100	SDBU-2080	909-0002	80 A	2		
460 V	0 - 25	Safronics Inverters have internal DB Modules					
	30 - 75	SDBU-4030	909-0003	30 A	1	8 Ohms	10.9 x 5.2 x 6.4
	100 - 150	SDBU-4080	909-0004	80 A	1	5 Ohms	12.5 x 5.2 x 6.4
	200 - 300	SDBU-4080	909-0004	80 A	2		
	350 - 500	SDBU-4080	909-0004	80 A	3		
575 V	40 - 100	SDBU-5030	909-0005	30 A	1	9 Ohms	10.9 x 5.2 x 6.4
	125 - 200	SDBU-5060	909-0006	60 A	1	6 Ohms	12.5 x 5.2 x 6.4

Models shown for 10% E.D. rating, consult factory for higher duty cycle.



WIRING DIAGRAMS



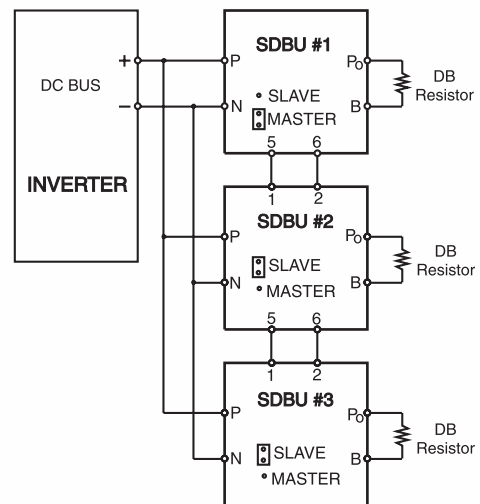
If your AC inverter application requires rapid decelerations or overhauling loads, chances are you'll need Dynamic Braking (DB). These modules connect directly to the main DC bus terminals of the inverter. When regenerative loading occurs, the DC bus voltage rises. With DB, the regenerative load is dissipated in an external resistor grid.

The Safronics SDBU uses an oversized power transistor module to pack a lot of power in a small area. This means one of our units can handle the load of several competitive units. We kept the wiring diagram the same as our old "CDBR" units to simplify the changeover to this new model. The footprint of one SDBU is approximately the same as one of our old modules, but this same module can replace 2 or more of the old design! This affords a more reliable, cost effective, space saving solution.

We have added an external 120 Vac brake enable input and missing DB resistor detection to offer more reliability. Let our application engineers "performance match" an SDBU for you!

SPECIFICATIONS

ITEM	RATINGS
Enclosure	Protected Chassis
Operating Temperature	-10 to 55°C (+14 to 131°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)
Heatsink Overtemperature	80°C (176°F)
Protective Features	Overtemperature, Open DB Resistor, IGBT Failure
LED Indications	DB On, Power On, DB Fault



3 MODULES

P/N: 027-3011
Rev: 12/2004



DRIVES FOR EVERY INDUSTRY