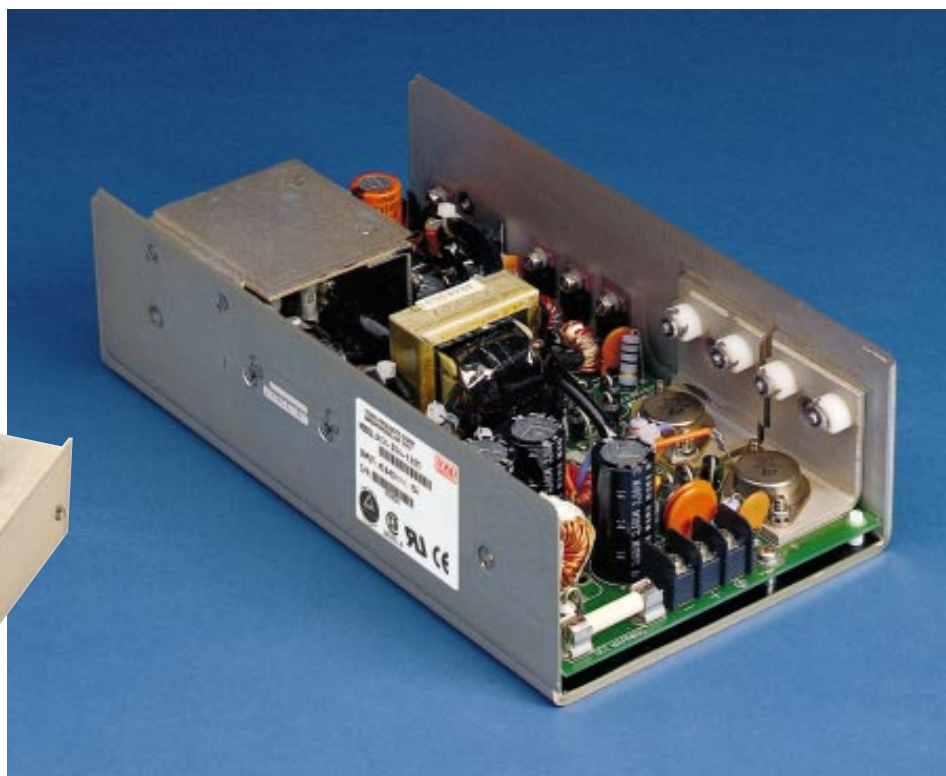


DCT-250
DBX-275
DCT-350
DCX-350

Option F



STANDARD DBX SERIES
24/28 VDC INPUT – MULTIPLE OUTPUT

MODEL	PWR	OUTPUT #1	OUTPUT #2	OUTPUT #3	OUTPUT #4
DBX-273-0512	275	+5V @ 50A	+12V @ 8/12A pk	-12V @ 4A	
DBX-274-1205	275	+5V @ 50A	+12V @ 8/12A pk	-12V @ 4A	5.2V @ 2 A
DBX-274-1224	275	+5V @ 50A	+12V @ 8/12A pk	-12V @ 4A	24V @ 1.5A

STANDARD DCT, DCX SERIES
48 VDC INPUT – MULTIPLE OUTPUT

MODEL	PWR	OUTPUT #1	OUTPUT #2	OUTPUT #3	OUTPUT #4
DCT-253-0512	250	+5V @ 30A	+12V @ 5A	-12V @ 5A	
DCT-353-0512	350	+5V @ 45A	+12V @ 6A	-12V @ 6A	
DCX-353-0512	350	+5V @ 50A	+12V @ 8/12A pk	-12V @ 4A	
DCX-354-1205	350	+5V @ 50A	+12V @ 8/12A pk	-12V @ 4A	5.2V @ 2A

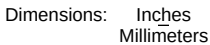
Featuring:

- Over 3 watts/in³ power density
- Meets international safety requirements
- All outputs regulated $\pm 1\%$
- High peak currents for motor starting
- System air and self-cooling options
- Available in dual AC input range

These series are particularly suitable for critical, "can't fail"; mobile; or transportable systems. All models share the same footprint and can include current sharing for redundancy (consult factory for details).

Optional DC power fail, covers, and fan/cover assemblies are available. These series are form-fit compatible with the 9" SC, MAX, MTC, and MPS Series

3.2 lbs - 1.5 kgs



INPUT

Efficiency: 70 to 75% typical.

Adjustability: All outputs user adjustable $\pm 5\%$ minimum.

minimum load of 10% on the +5 V output when drawing full load on the auxiliary outputs.

Remote Sense (Output #1): Compensates for 250 mV total line drop. Open sense lead protection. (See Redundancy, below.)

Stability: 0.1% over 8 hours after 30 minutes warm-up.

Overload Protection: All outputs are protected against overload and short circuit. Automatic

Overvoltage Protection (Output #1): Protects load against power supply induced overvoltage. Trip point is factory set so that output voltage cannot exceed 136% of nominal.

current shown can be delivered for a maximum period of 30 seconds.

Redundancy (DPS only): External OR-ing diodes and slope program current sharing on

Reverse Voltage: Protected against reverse voltage up to supply current rating.

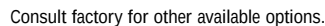
Thermal Protection: Shuts down power supply if overheated. Automatic recovery.

Safety Agencies: Most models are approved to UL1950; CSA 22.2 #234; IEC 950 and TÜV EN60950, Class 1 SELV, CE 72/23/EEC/93/68EEC (low voltage directive).

Output Isolation: Isolated from ground 50 Vdc, e

Output:

3.8 lbs - 1.7 kgs



FUNCTION	-48 Vdc	+24 Vdc	CONNECTOR
TB1- (-)	-48 Vdc Input	+24 Vdc Return	Barrier strip #6-32 screws 3/8" centers
TB1- (+)	-48 Vdc Return	+24 Vdc Input	
TB1- (⊕)	Safety Ground	Safety Ground	

FUNCTION	LOCATION	NOTES	CONNECTOR
Output #1	Terminal marked +V	Main Output	Bus bars
	Terminal marked -V	Rtn (Common)	#10-32 screws
Output #2	TB2-3		Barrier strip #6-32 screws 3/8" centers
(If provided)	TB2-4	Rtn (Common)	
Output #3	TB2-5		
(If provided)	TB2-4	Rtn (Common)	
Output #4	TB2-1	(+) Floating Output	
(If provided))	TB2-2	(-) Floating Output	

FUNCTION	LOCATION	NOTES	CONNECTOR
Remote Sense	J1-1(+ S)	Output #1 Sense	AMP MTA type #640456-4 pin header (locking)
	J1-2 (– S)	Output #1 Sense Rtn	
DC Power Good*	J1-3	Reference to J1-2	
Inhibit	J1-4 (IH)	Short to J1-2	

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