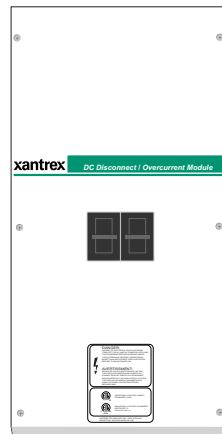


# DC Disconnect

## 175 or 250 amp DC rated Circuit Breaker with Enclosure



Xantrex makes DC input safety a simple matter with our complete line of DC disconnects and breakers. The high amperage DC breaker is housed within a powder coated enclosure with conduit knockouts for connection to the inverter, batteries, and other DC sources. Our DC disconnects are simple to install and meet all electrical code requirements for appropriate circuit protection.

### Features

- ▶ As a DC Disconnect, this breaker provides an easy and convenient way to isolate the inverter and battery.
- ▶ Meets the National Electric Code requirements for DC disconnect over-current protection.
- ▶ Has no exposed hot terminals or removable parts that can be damaged or lost.
- ▶ Extremely low voltage drop – less than most fuses or current shunts.
- ▶ Easy to reset – makes troubleshooting a safe and inexpensive process.

### Options

- ▶ Optional second main breaker (GJ175 or GJ250) can be field installed when expanding to dual inverter systems.
- ▶ Optional bonding block (DCBB) bonds the the negative conductor to the grounding system at a single point.
- ▶ Additional 15 or 20 amp breakers (CD15 or CD20), ideal for small DC loads or equipment room lights, mount on the side of the DC Disconnect enclosure.
- ▶ Additional 60 amp breakers (CD60DC) allow NEC compliant solar array disconnect.
- ▶ TM500A shunt can be installed in the DC175 or DC250 enclosure to allow battery monitoring.

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# DC Disconnect

## 175 or 250 amp DC rated Circuit Breaker with Enclosure

### Electrical Specifications

Model	DC175	DC250
Maximum DC Load on Circuit Breakers	175 amps	250 amps
Maximum DC System Voltage	125 VDC	125 VDC
Maximum High Fault Current Interruption		
At 65 VDC	25,000 amps	25,000 amps
At 125 VDC	10,000 amps	10,000 amps
Maximum Stranded Wire Size	#4/0 AWG	#4/0 AWG - dual #2/0 AWG may be used with appropriate adapters

### General Specifications

Allowed Temperature Range	-40 °F to 104 °F (-40 °C to 40 °C)	
Enclosure Type	Type 1, indoor, powder coated steel with 2" knockouts on the top of the enclosure for two Xantrex C series charge controllers or for conduit connections to Xantrex inverters	
Unit Weight	14 lb (6.4 kg)	14 lb (6.4 kg)
Shipping Weight	16 lb (7.3 kg)	16 lb (7.3 kg)
Unit Dimensions (H x W x D)	21" x 10.5" x 5" (53 cm x 27 cm x 13 cm)	
Shipping Dimensions	23" x 13" x 8" (58 cm x 33 cm x 20 cm)	
Mounting	Indoor, wall mount with breakers in a vertical position only	
Warranty	2 years	
Part numbers	DC175, DC250 - DC Disconnects	
	GJ175, GJ250 - Optional, additional breakers	
	DCBB - Optional grounding block	
	CD15, CD20, CD60DC - Optional, additional circuit breakers (4 maximum slots)	

### Features & Options

Bonding Block	Optional bonding block (DCBB) simplifies wiring and grounding of the system.
	Accepts up to four 4/0, two #1/0, two #2, and four #4 cables
Breakers	Standard 175 or 250 amp breaker - accepts #6 to 250 MCM cables
	Optional additional 15, 20, 60, 175, and 250 amp breakers available

### Regulatory Approvals

ETL Listed to UL508 and CSA 22.2 No. 14