

6.7 DC braking

6.7.1 DC braking

F250: DC braking starting frequency

F251: DC braking current

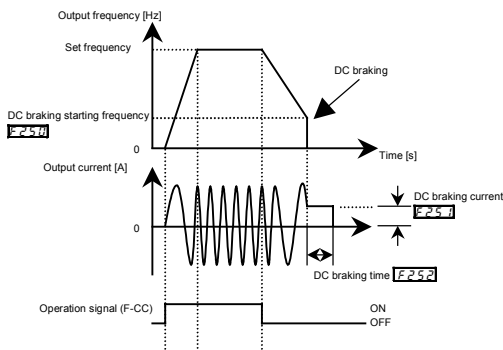
F252: DC braking time

- Function

A large braking torque can be obtained by applying a direct current to the motor. These parameters set the direct current to be applied to the motor, the application time and the starting frequency.

[Parameter setting]

Title	Function	Adjustment range	Default setting
F250	DC braking starting frequency	0.0- F_H (Hz)	0.0
F251	DC braking current	0.0-100 (%) / (A)	50
F252	DC braking time	0.0-25.5 (sec)	1.0



Note 1: During DC braking, the overload protection sensitivity of the inverter increases. The DC braking current may be adjusted automatically to prevent tripping.

Note 2: During DC braking, the carrier frequency becomes the setting of parameter **F300** (PWM carrier frequency).

Note 3: DC braking can be done by using terminal input. Input terminal 22: Assign DC braking command (23 is reverse).

DC braking is applied while the terminal is ON, regardless of the **F250**, **F252** settings. Even if the terminal is OFF, DC braking is applied only for the **F252** time.

The amount of DC braking depends on the **F251** settings.