

This manual briefly introduces the model, operation panel, terminal wiring, main circuit and control circuit terminals, fast operation, common functional parameters, common faults and countermeasures, etc. For more functions and detailed descriptions of MV820 series drives, please see the full electronic manual.

Product Model

~~MV820-G-4-1-T-00-B-T-0-MV820~~

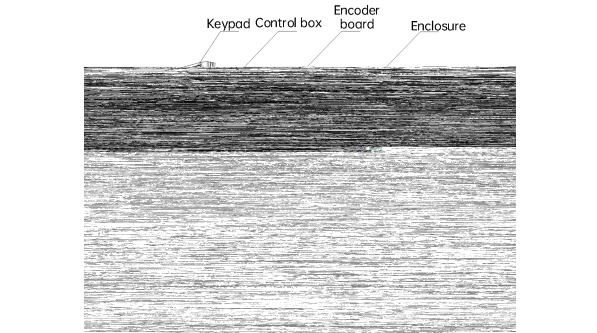
Product series MV820: MV820 series	Application G: General purpose S: Servo positioning T: Tension control F: Fly-cut	Product iteration Number: Customization
Input voltage class 2: 220 V 4: 380 V / 480 V	Input voltage phase S: Single-phase T: Three-phase	Rated capacity 0.4 kW to 220 KW
Braking unit B: Built-in braking unit	Reactor Null: Single-phase T: DC reactor	Safety function Null: No function S: STO
Non-standard xxx: Customer number		



For 22 kW or below, inductor is not included; for 30 kW to 110 kW, inductor is optional; for 132 kW or above, inductor is included as standard.

For MV820 models of 110 kW or below, built-in braking unit is included as standard.

Product components



Operation Panel



Symbol	Name		Meaning
Unit LED	Hz	Frequency LED	Flashing: The current parameter is the running frequency On: The current parameter is the frequency reference
	A	Current LED	On: The current parameter is the current
	V	Voltage LED	On: The current parameter is the voltage
	RPM	RPM LED	On: The current parameter is the revolutions per minute
	%	Percent LED	On: The current parameter is the percent
Status LED		Forward running LED	On: During stop, there is a forward running command for the drive During running, the drive is running forward Flashing: The drive is switching from FWD to REV
		Reverse running LED	On:During stop, there is a reverse running command for the drive During running, the drive is running reversely Flashing: The drive is switching from REV to FWD
	ERR	Alarm LED	On: The drive enters the alarm status
	RUN	Running LED	On: Running; Flashing: Stopping; Off: Stopped
	REM	Operation command channel LED	Off: Local; Flashing: Communication On: Terminal
Key	Return/Multi-functional key		To exit the programming state/See Table 5-3 of the full manual
	Shift key		To select the bit for change in the data in editing state, or switch the display of status parameters in other state

Function code	Name	Description	Default value	Change
		5.5 kW and below: 10 s 5.5 to 30 kW (included): 20 s Above 30 kW: 40 s		
P02.14	Deceleration time 1	0.0 to 6000.0 s	Model dependent	☐
P02.16	Carrier frequency	2.0 to 12.0 kHz	Model dependent	☐
P03.00	Motor type selection	0: Asynchronous motor 1: Synchronous motor	0	☒
P03.01	Asynchronous motor rated power	0.1 to 3000.0 kW	Model dependent	☒
P03.02	Asynchronous motor rated voltage	0 to 1200 V	Model dependent	☒
P03.03	Asynchronous motor rated current	0.8 to 6000.0 A	Model dependent	☒
P03.04	Asynchronous motor rated frequency	0.01 Hz to P02.10	50.00 Hz	☒
P03.05	Asynchronous motor rated speed	1 to 36000 rpm	Model dependent	☒
P03.15	Synchronous motor rated power	0.1 to 3000.0 kW	Model dependent	☒
P03.16	Synchronous motor rated voltage	0 to 1200 V	Model dependent	