

December 20, 2021

Industrial Device Business Division,
Industrial Solutions Company
Panasonic Corporation

Software Update Notice
for AC Servo Driver (MINAS A6SE/A6SF/A6SG Series)

Thank you for your daily support and efforts to our business.
As described below, we will update the software version for MINAS A6SE, A6SF and A6SG Series (*special order products).
We would appreciate your understanding and cooperation with this matter.

- Affected Models: Servo drivers of all MINAS A6SE, A6SF and A6SG series (*special order products)
Part number

M * D L * * * S ■

Starting with "M", "DL" as the 3rd and 4th characters, "S" as the 8th character, "E", "F" or "G" as the 9th character from the left.

* Part numbers of "alphanumeric character" as the 11th, 12th, and 13th characters are excluded.

- Description of the Change and Reason:
The software version will be updated from Ver1.12 to Ver1.13 for functionality improvement purposes.

No.	Function	Ver1.12	→	Ver1.13
1	Extension of the unit of acceleration/deceleration of Block operation	Non-responsive		<Pr60.56 "Setting of the unit of block operation acceleration"> <Pr60.57 "Setting of the unit of block operation deceleration"> 0 : ms / (3000 r/min) 1 :0.1 ms / (3000 r/min) 5 :0.5 ms / (3000 r/min) 10 : ms / (3000 r/min) 100 :10 ms / (3000 r/min) 1000:100 ms / (3000 r/min) If a value other than the above is set, the unit is ms / (3000 r / min).

* Please refer to the following for details of the changes.

[Detail of Changed Content]

No. 1) Function selection added

It is possible to switch the unit of acceleration / deceleration of block operation.

This allows to set the acceleration / deceleration speed setting range for block operation to a maximum of 1000000 ms / (3000 r / min). In addition, it is possible to set the decimal part and improve the accuracy.

If you do not use this function (Pr60.56 = 0, Pr60.57 = 0), you can use the conventional function.

		Ver1.12	→	Ver1.13
Setting of the unit of acceleration/deceleration of Block operation	The Unit	Fixed		0.1ms to 100ms *Depends on the setting value of new addition Pr60.56, Pr60.57
	The set range	0 to 10000 Setting of acceleration/deceleration of Block operation (Existing Pr60.32 etc.)		
	The acceleration/deceleration speed set range	Pr60.32(1) * 1 ms to Pr60.32 (10000) * 100 ms ↓ 1ms~1000 s		Pr60.32(1) * 0.1 ms to Pr60.32 (10000) * 100 ms ↓、 0.1ms~1000 s

* The block operation acceleration / deceleration setting (Pr60.32, etc.) cannot be set to "0" (error 93.1 will occur).

Refer to the following manuals for further information.

- SX-DSV03031: MINAS A6 Series Technical Reference - Functional Specification -
- SX-DSV03042: MINAS A6 Series Technical Reference - Modbus communication and Block operation specification -
- SX-DSV03283: MINAS A6 Series Technical Reference - Functional Specification -

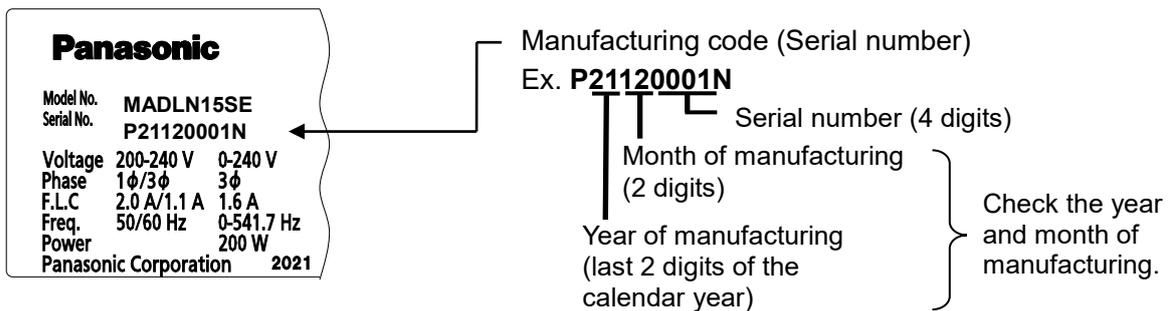
(Frame size V, DC24 / 48 V * Special Order Products (For specific customers))

○ Technical data download page:

https://www3.panasonic.biz/ac/e/dl/manual/index.jsp?series_cd=3514

- Setup support software (PANATERM) for Ver1.13 will be available from Ver.6.0.5.0 onward.
- Previously offered functions can be used by setting up the previous parameter file for the driver.

- Change schedule: the change will be applied from December 2021 production lot onwards.
- Method of checking:
 - Method involving checking the software version
The software version can be checked by using the setup support software (PANATERM), or by using the monitor mode on the front panel.
 - Method of checking the year and month of manufacturing from the manufacturing code (serial number)
The manufacturing code (serial number) shown on the name plate located on the side of the product conforms to the following rule.



The manufacturing code (serial number) shown on the label attached to the front surface of the package box follows the following rule.

