

October 16 2017

Motor Business Unit,
Electromechanical Control Business Division,
Automotive & Industrial Systems Company,
Panasonic Corporation

New Product Release Announcement:
MINAS A6BF Series AC Servo Drivers
(EtherCAT Network Servo Drivers)

Thank you for your daily support and efforts to our business.

As it was announced in Motor News dated April 13, 2017, this time we would like to notify you about new release of multi-functional type A6BF series of EtherCAT servo driver MINAS A6B series.

We look forward to your continued use of our products.

1. Official Date of Release: BE Series Already released on May 8, 2017
 BF Series Will be newly released on November 28, 2017
 *For part numbers, please refer to page 3/3.

2. Product Features

1) MINAS A6 Family EtherCAT Servo Driver

- Communication speed: 100 Mbps
- Minimum cycle time 125 µs (1/2 compared to conventional models)
- Industry's smallest EtherCAT servo driver
- Compatible with PANATERM setup support software ^(Note1)
- Compatible with the wireless LAN dongle (To be announced soon) that enables driver adjustment to be done wirelessly

2) High Performance

- Ultra-high frequency response: 3.2 kHz
- Load change suppression control, real-time auto tuning
- Equipped with various vibration suppression filters

3) High Functionality

- Extensible EtherCAT applications
 7 control modes, 32 zero return modes, synchronous (2) and an asynchronous mode
- Supports full closed control *BF series
- Supports external scale connection *BF series

4) Standards

- Passed the official EtherCAT conformance Test
- Equipped with a safety interface compliant with International Standards: IEC61800-5-2 STO and IEC61508 SIL3 *BF series
- Complies with International Standards CE, UL, KC

5) Applicable Motors

All motors in the lineup of the MINAS A6 family

*Part numbers starting with MSMF, MHMF, MQMF, MDMF, MGMF

3. Output Range
from 50 W to 5.0 kW -

4. Model Part No., Price and Order Format
Please refer to Page 3/3.
For the price inquiries, please contact our sales representatives.

5. External Dimensions and Specifications
Please refer to the information on our website in the MINAS A6 product family catalog.
<https://www3.panasonic.biz/ac/e/motor/fa-motor/ac-servo/a6/index.jsp>

6. Others
(Note 1) You can download PANATERM, the setup support software, from our website for free of charge.
Purchase any commercially available mini-B USB cable.

- EtherCAT is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.



MINAS A6BF Series EtherCAT Network Servo Driver
AC Servo Motor & AC Servo Driver Output: 200 W

■MINAS A6B Drivers

- MINAS A6BE Series (EtherCAT-supported network, w/o safety interface)

Model Part No.	Output (W)	Input Voltage (V)	Delivery Stock/Order
MADLN01BE	50	Single phase 100	build to order
MADLN11BE	100	Single phase 100	build to order
MBDLN21BE	200	Single phase 100	build to order
MCDLN31BE	400	Single phase 100	build to order
MADLN05BE	50 - 100	Single/3 phase 200	build to order
MADLN15BE	200	Single/3 phase 200	build to order
MBDLN25BE	400	Single/3 phase 200	build to order
MCDLN35BE	750	Single/3 phase 200	build to order
MDDL45BE	1.0 k	Single/3 phase 200	build to order
MDDL55BE	1.0 k - 1.5 k	Single/3 phase 200	build to order
MEDLN83BE	2.0 k	3-Phase 200	build to order
MEDLN93BE	2.4 k	3-Phase 200	build to order
MFDLNA3BE	2.0 k - 3.0 k	3-Phase 200	build to order
MFDLNB3BE	3.0 k - 5.0 k	3-Phase 200	build to order

- MINAS A6BF Series (EtherCAT-supported network, w/ safety interface/full-closed control)

Model Part No.	Output (W)	Input Voltage (V)	Delivery Stock/Order
MADLT01BF	50	Single phase 100	build to order
MADLT11BF	100	Single phase 100	build to order
MBDLT21BF	200	Single phase 100	build to order
MCDLT31BF	400	Single phase 100	build to order
MADLT05BF	50 - 100	Single/3 phase 200	build to order
MADLT15BF	200	Single/3 phase 200	build to order
MBDLT25BF	400	Single/3 phase 200	build to order
MCDLT35BF	750	Single/3 phase 200	build to order
MDDL45BF	1.0 k -	Single/3 phase 200	build to order
MDDL55BF	1.0 k 1.5 k	Single/3 phase 200	build to order
MEDLT83BF	2.0 k	3-Phase 200	build to order
MEDLT93BF	2.4 k	3-Phase 200	build to order
MFDLTA3BF	2.0 k - 3.0 k	3-Phase 200	build to order
MFDLTB3BF	3.0 k - 5.0 k	3-Phase 200	build to order