

Appliances Company
Panasonic Corporation
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<http://panasonic.net/corporate/segments/ap/>

May 22, 2012

Release of MINAS-BL GV Series Brushless Motors and Amplifiers **(Speed Control)**

We will release MINAS-BL GV Series Brushless Motors. This series can contribute to the reduction of power consumption by motors, which makes up more than half of the power consumption in Japan, and features compact size and high efficiency achieved by adopting our MINAS servomotor technique.

We greatly appreciate your continued support and cooperation with the sales expansion of our products.

■ Date of release: June 20, 2012

■ Product features

- Compact size and high output: Higher space factor of the stator winding achieved by adopting the MINAS technique
- Speed control: Speed control range from 30 to 4,000 r/min (rated speed: 3,000 r/min), Speed ratio: 1:133
- Smooth operation even at low speeds achieved by adopting our unique sensor
- Environment resistance of the motors: IP65 (excluding the sections where the shaft passes through and the connectors at the cable ends)
- Externally-attached regenerative brake resistor (Not suitable for continuous use)
- Overseas standard certificates obtained: EC Directive, UL Standards, Korean Radio Wave Act (KC mark)
 - * Under application for the China Compulsory Certification (CCC) (To be obtained in June 2012)
- Reduction of man-hours for adjustment by using startup support software called PANATERM for BL (Waveform monitoring, parameter setting, and alarm status check operations can be controlled from a PC.)
Please download PANATERM for BL from our website. You need a separately sold PC connection cable to connect your PC to the amplifier.
- The product lineup includes a set containing a power connection cable, which eliminates wire processing work for the power connector.



■ Output range: 50 W, 90 W, 130 W Voltage: 100 V, 200 V

■ Model numbers and prices: For model numbers, please see pages 2 and 3. The gear heads are shared with the Shin-G Series.

For prices, please contact our sales representative.

■ Order

■ Dimensions and specifications

Please see our website.

Website page for the MINAS-BL GV Series Brushless Motors

URL:

<http://industrial.panasonic.com/jp/i/25000/br-minas-bl-gv-e/br-minas-bl-gv-e/minas-bl-gv-catalog-e.pdf>

We greatly appreciate you visiting our website.

End

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■ Speed Control GV Series

■ Pinion shaft motors

Model No.	Size (mm)	Output (W)	Voltage (V)
MBMU5AZAX	□80	50	100
MBMU9A1AZ	□90	90	
MBMU1E1AZ		130	
MBMU5AZAX	□80	50	200
MBMU9A2AZ	□90	90	
MBMU1E2AZ		130	

■ Round shaft motors

Model No.	Size (mm)	Output (W)	Voltage (V)
MBMU5AZAS	□80	50	100
MBMU9A1AS	□90	90	
MBMU1E1AS		130	
MBMU5AZAS	□80	50	200
MBMU9A2AS	□90	90	
MBMU1E2AS		130	

■ Amplifiers

Model No.	Output (W)	Voltage (V)
MBEG5A1BCV	50	100
MBEG9A1BCV	90	
MBEG1E1BCV	130	
MBEG5A5BCV	50	200
MBEG9A5BCV	90	
MBEG1E5BCV	130	

■ Amplifiers supplied with a power connection cable

Model No.	Output (W)	Voltage (V)
MBEG5A1BCVC	50	100
MBEG9A1BCVC	90	
MBEG1E1BCVC	130	
MBEG5A5BCVC	50	200
MBEG9A5BCVC	90	
MBEG1E5BCVC	130	

■ Gear heads: Same as those for Shin-G Series Compact AC Geared Motors (MX type, MZ type, and MY type)

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■ Options

Name		Model No.	Remarks ^{*1}
Power connector kit	For power connector	DV0P2870	
Motor extension cable	1 m	DV0PQ1000110	★
	3 m	DV0PQ1000130	★
	5 m	DV0PQ1000150	★
	10 m	DV0PQ10001A1	★
Panel A	For analog setting	DV0P3500	
Panel A connection cable	1 m	DV0PM2006910	★
	3 m	DV0PM2006930	★
	5 m	DV0PM2006950	★
Panel B	For digital setting	DV0P3510	
Panel B connection cable	1 m	DV0P38310	
	3 m	DV0P38330	
	5 m	DV0P38350	
I/O connector kit	For control signals	DV0PM20070	★
Control signal cable	20 cm	DV0PM20076	★
External speed setting panel	5 k Ω , 1/4 W, characteristic B	DV0PM20078	★
PANATERM for BL ^{*2}	Setting software	(DV0PM20067)	★
PC connection cable	For PANATERM for BL	DV0P4140	
External regenerative brake resistor	For 100 V, 50 Ω , 10 W	DV0P2890	★
	For 200 V, 200 Ω , 10 W	DV0PM20068	★
DIN rail mounting unit	—	DV0P3811	
Noise filter	For single-phase type	DV0P4170	
	For three-phase type	DV0PM20042	
Surge absorber	For single-phase type	DV0P4190	
	For three-phase type	DV0P1450	
Signal noise filters	Four filters included	DV0P1460	
Reactor	For single-phase type	DV0P227	
		DV0P228	
	For three-phase type	DV0P220	

*1: Options without “★” in the remarks column are shared with other motors/amplifiers.

*2: Please download PANATERM for BL from our website.

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