

NEW

Compact high voltage power supplies

EJ series

±1 kV to ±2 kV / 200 W



- »» Output polarity change by the switch on front panel
- »» Polarity is changeable while HV is on
- »» High work efficiency can be achieved by the easy polarity change operation

EJ series

Compact high voltage power supplies

EJ series is a reversible polarity high voltage power supply featuring changeable polarity by a switch on front panel. Without rewiring, output polarity can be switched simply and safely. It improves operating efficiency. Please contact nearest sales offices for high power models.



»» FEATURES

- Output polarity reversible type
- Output polarity change by a switch on front panel
- Polarity is changeable while HV is on
- Suitable model for voltage withstanding test for diodes, power semiconductors, etc and for anodic bonding application
- Compact and handy size

»» LINEUP

Output voltage	Output current	MODEL
0 to ± 1 kV	0 to 200 mA	EJ-1R200
0 to ± 1.5 kV	0 to 133 mA	EJ-1.5R133
0 to ± 2 kV	0 to 100 mA	EJ-2R100

»» SPECIFICATIONS

Input voltage /current 85 V to 264 VAC $\pm 10\%$ 50 / 60Hz single phase
3 A typ. (at 100 V input)

Output control Local : Voltage 10-turn potentiometer on front panel
Current 10-turn potentiometer on front panel
Remote : Voltage External control voltage 0 to 10 VDC
(input impedance more than 10 k Ω)
Current External control voltage 0 to 10 VDC
(input impedance more than 10 k Ω)

Reverse polarity control Local : By front panel polarity change switch
Remote : Contact signal input from the control
connector on rear panel
open-positive, short-negative

Voltage Regulation Line : 0.005 % for $\pm 10\%$ input line change
Load : 0.005 % for 0 to 100 % load change

Current Regulation Line : 0.05 % for $\pm 10\%$ input line change
Load : 0.05 % ± 100 μ A for 0 to 100 % load change

Ripple 0.1 %p-p

Stability 0.01 % / Hr

Temperature Coef. 100ppm / $^{\circ}$ C

Output display Output voltage : 3.5-digit digital meter ± 1999
Output current : 3.5-digit digital meter 1999

Monitor output Output voltage : 0 to ± 10 V (output impedance 1 k Ω)
Output current : 0 to ± 10 V (output impedance 1 k Ω)

Protections Over current with automatic crossover,
over voltage(limited at 110 %),
output short circuit and arc protection, interlock,
power failure(can be canceled by adopting the option -LN)

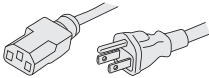
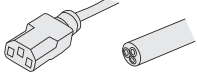
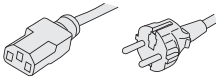
Other functions Remote switch ON / OFF, door switch

Condition Temperature : 0 to +40 $^{\circ}$ C (operation)
-40 to +85 $^{\circ}$ C (storage)
Humidity : 20 to 80 %RH (no condensation)

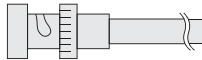
Accessories ·AC input cable 2.5 m(8.2 ft) (1)
·Output high voltage shielded cable with BNC-HV(MHV)
connector(flying lead) (1)
·Instruction manual (1)

»» Input / Output cable

Input cable

CABLE TYPE 1 (Standard)	CABLE TYPE 3 (Separate) (for the input of 200 V)	CABLE TYPE 4 (Separate) (for the input of 200 V)
125V / 10A	250V / 10A	250V / 10A
		

Output cable

CN-BNC-HVP (Standard)
5kV / 0.5A


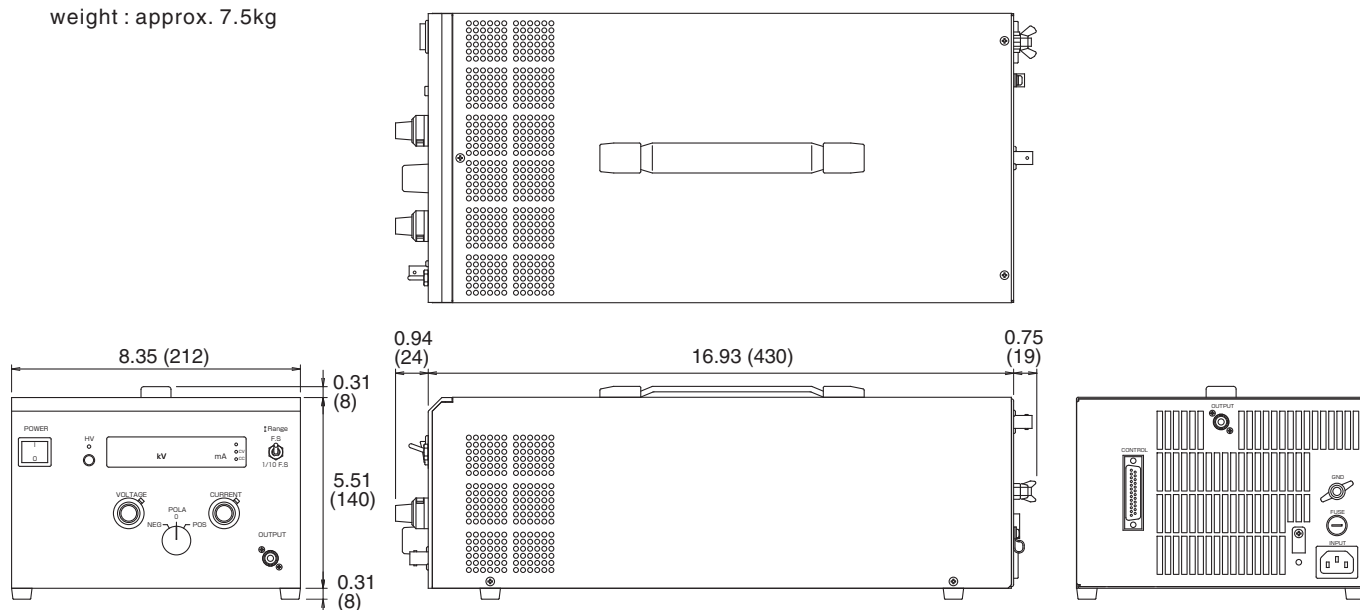
»» OPTIONS

- LCr Current range change 100 % \leftrightarrow 10 % F.S.
- LN No protection against power failure
- LZ AC output is tuned ON / OFF by turning AC ON / OFF.
- LZ Handle
- LZ Carry handle

When ordering, suffix the above option mark to the model number.
{e.g} EJ-2R100-LCr Alphabetical and numerical order

»» DIMENSIONS inch(mm)

weight : approx. 7.5kg





USA/Canada : +1-888-652-8651

other countries : +81-6-6150-5089

Customer Inquiry Sheet (EJ series)

Please copy this page and above fax number after filling out form below.

☐ I would like

- ☐ A quotation ☐ An explanation of product ☐ A demonstration ☐ To purchase
- ☐ Other ()

■ Give us your requirement / comment

■ Please fill in below.

Address:	
Company:	
Dept.:	Title:
Name:	
Tel:	Fax:
E-mail:	

Manufacturer warranty

We warrant the specification, unless otherwise specified, at max. rated output after warm up, and scope of application is between 10 % and 100 % of max. rated output. We warrant that products contained in this catalog (hereinafter, the "Products") are free from defects in material and workmanship under normal use for a period of one (1) year from the date of shipment thereof. However, the warranty period for X-ray detectors and X-ray source shall be either one (1) year from the date of shipment or 1,000 hours, whichever shorter. The above warranty shall not apply to any Product which, at our sole judgment, has been: i) Repaired or altered by persons unauthorized by us; or ii) Connected, installed, adjusted or used otherwise than in accordance with the instructions furnished by us (including being used in an inappropriate installation environment, such as in corrosive gas, high temperature and humidity). We are not liable for any loss, damage or failure of the Products after the shipment thereof caused by external factors such as disasters. We will not inspect, adjust or repair any of our power supply products in the field or at any customer site. If you suspect that there has been a power supply failure in the field, please inspect your whole unit by yourself in an effort to determine that the problem is, in fact, arising out of our power supply products. If it is found that the problem is arising out of such power supply product after inspection, please contact your local sales office for additional troubleshooting. A "Return Merchandise Authorization" is required in case the power supply must be sent back to the factory in Japan for inspection and repair. We, at our sole discretion repair or replace such defective products at no cost to the purchaser. We assume no liability to the purchaser or any third party for special, incidental, consequential, or other damages resulting from a breach of the foregoing warranty. This warranty excludes any and all other warranties not set forth herein, express or implied, including without limitation the implied warranties of merchantability or fitness for a particular purpose. The Products are not designed and produced for such applications as requiring extremely high reliability and safety, or involving human lives (such as nuclear power, aerospace, social infrastructure facility, medical equipment, etc.). The use under such environment is not covered by this warranty and may require additional design and manufacturing processes. No modification or supplement of this warranty shall be binding unless in writing and signed by a duly authorized officer of Matsusada. Matsusada reserves the right to make any changes in the contents of catalogs or specifications at any time without advance notice. Due to compelling reason such as unavailability of components used, products might be un available or unable to repair. The products specified in catalogs or specifications are designed for use by the person who has enough expertise or under the control of such person, and not for general consumers. Schematics of products shall not be submitted to users. Test result or test data for the products shall be available upon request with charge.

Make sure you read the specification in the latest catalog before you order. Contact nearby sales office for the latest catalog.

PLEASE SEE THE LINK BELOW FOR THE COMPLETE WARRANTY TERMS

<http://www.matsusada.com/site/warranty.html>



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