



Matsusada Precision

EJ series ±1kV to ±2kV / 200W



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

SPECIFICATIONS

Input voltage /current 85 to 264VAC 50 / 60Hz single phase
3A typ @ 115V

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

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 ±10% input line change
Load : 0.005% for 0 to 100% load change

Current Regulation Line : 0.05% for ±10% input line change
Load : 0.05% ±100μA for 0 to 100% load change

Ripple 0.1%p-p

Stability 0.01%/Hr

Temperature Coef. 100ppm/ °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 ±10V (output impedance 1kΩ)
Output current : 0 to ±10V (output impedance 1kΩ)

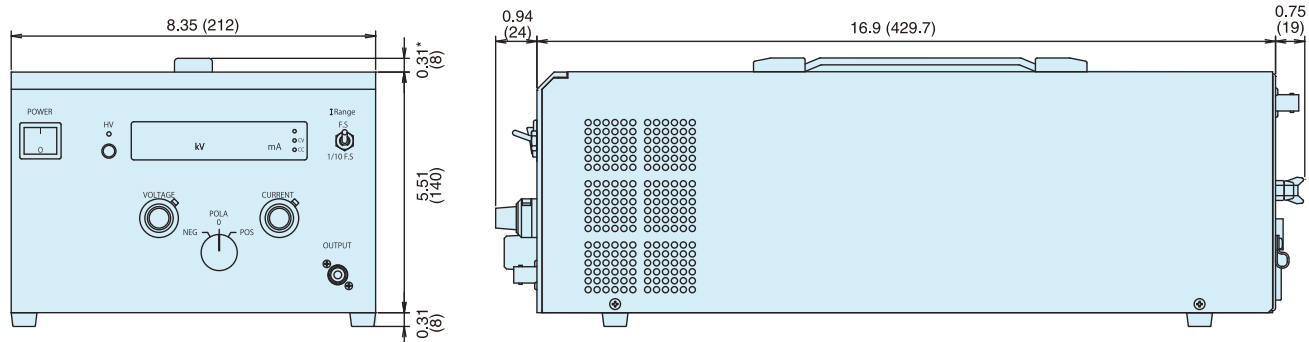
Protections Over current with automatic crossover, over voltage (limited at 110%), output short circuit and arc protection, interlock, power failure (can be canceled by adopting the -LN option)

Other functions Remote switch ON/OFF, door switch

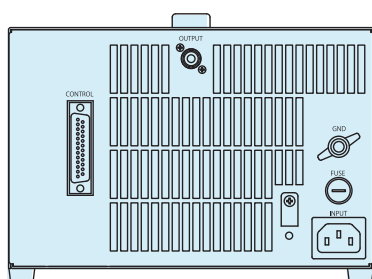
Temperature Operating : 0 to +40 °C
Storage : -40°C to +85°C
Humidity : 20% to 80%RH (no condensation)

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

DIMENSIONS inch(mm)



* Option



OPTIONS

- LCr Current range change 100% \leftrightarrow 10% F.S.
- LN Cancel the power failure protection
AC output is tuned ON/OFF by turning AC ON/OFF.
- LZ Carry handle

When ordering, suffix the above option mark to the model number.
<e.g.>EJ-2R100-LC/NZ
Alphabetical and numerical order

