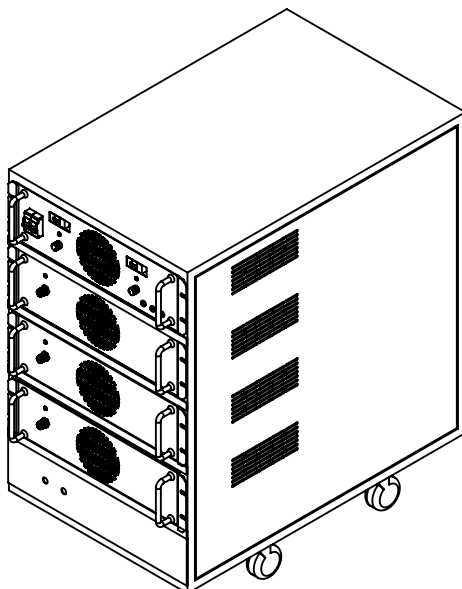
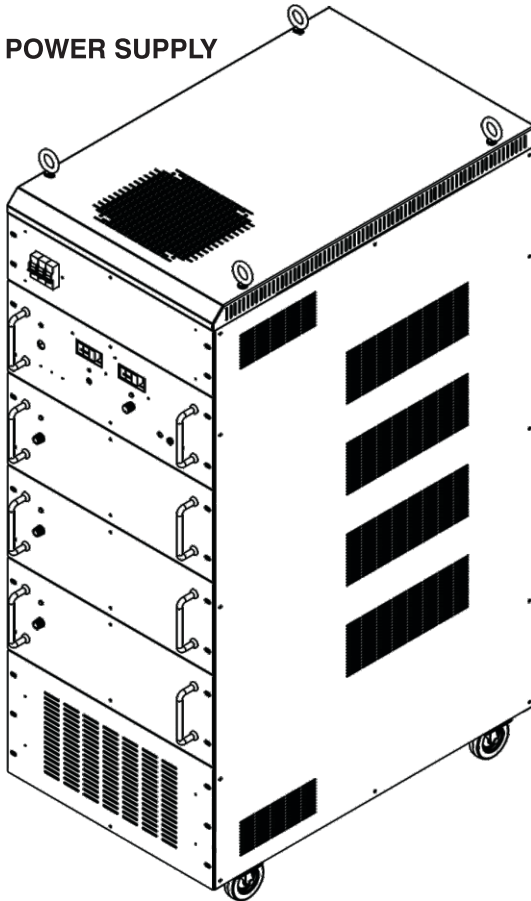


Master-Slave Series CBVS 80150B-5KW

Bidirectional Programmable DC Power Supply

SPECIFICATIONS

DC POWER SUPPLY



DISCHARGER LOAD

Output Voltage & Current :

Output voltage: 0-80V

Output current : 0-150A

Constant Voltage Mode :

Regulation :

Line : $\leq 0.01\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.

Load : $\leq 0.02\% \pm 2\text{mV}$ for load change from zero to full load.

Ripple & Noise : $\leq 120\text{mV p-p}$
20Hz - 20MHz.

Constant Current Mode :

Regulation :

Line : $\leq 0.05\% \pm 10\text{mA}$ for $\pm 10\%$ line change.

Load : $\leq 0.05\% \pm 10\text{mA}$ for change in output voltage from 0 Volts to maximum output voltage.

Ripple & Noise : 100mA rms.

Metering : 4 Digit DPM.

Setup Resolution : voltage: 0.01V , current: 0.1A

Readback Resolution : voltage: 0.01V , current: 0.1A

Setting Accuracy :

voltage: $0.02\% \pm 0.02\% \text{FS}$, current: $\leq 0.1\% \pm 0.1\% \text{FS}$

Readback Accuracy :

voltage: $0.1\% \pm 0.02\% \text{FS}$, current: $\leq 0.1\% \pm 0.1\% \text{FS}$

Rise time : $< 30\text{ms}$

Fall time : $< 15\text{ms}$

Setup / Readback Stability :

voltage $\leq 0.2\% \pm 0.2\% \text{FS}$, current $\leq 0.5\% \pm 0.1\% \text{FS}$

Efficiency : $\geq 68\%$

Power factor : ≥ 0.7

Communication Interface : USB or LAN

Software feature : data setting & saving, import/export data to/from excel, battery emulator feature

Operation in source mode : CV/CC/CP

Operation in sink mode : CV/CP/CR

Battery charge and discharge : yes

Isolation : 500V or better

Output Polarity : Floating w.r.t. ground.

Protection : OVP / OCP / OPP / OTP,
V-sense Protection

Operating Temperature : 0-50°C.

Line Voltage : 415V AC $\pm 10\%$ 50Hz,
3 phase. OR 230V AC $\pm 10\%$ 50Hz

DC Power supply Dimentions :

W 480mm x D 750mm x H 1250mm

Discharger load Dimentions :

W 480mm x D 750mm x H 750mm

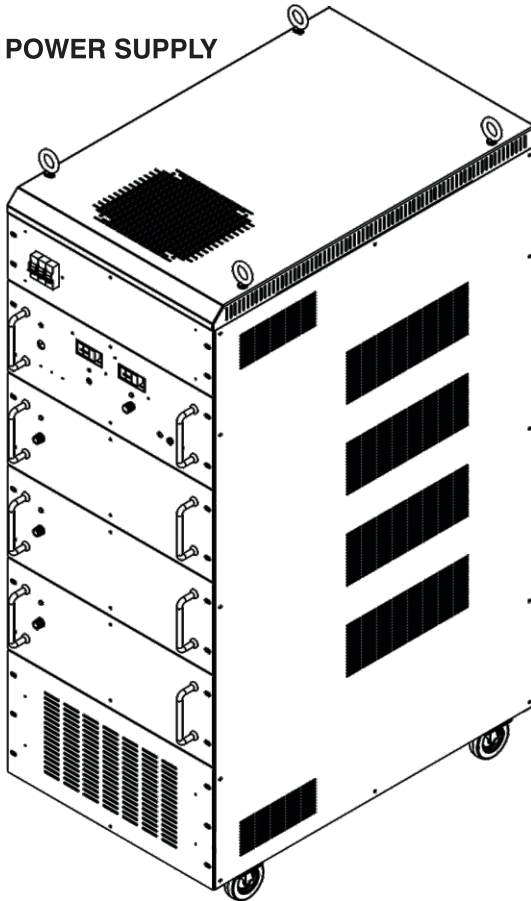
NOTE : REGULATION TO BE
MEASURED AT SENSE TERMINALS.

Master-Slave Series CBVS 80300B-10KW

Bidirectional Programmable DC Power Supply

SPECIFICATIONS

DC POWER SUPPLY



Output Voltage & Current :

Output voltage: 0-80V

Output current : 0-300A

Constant Voltage Mode :

Regulation :

Line : $\leq 0.01\% \pm 2\text{mV}$ for $\pm 10\%$ change in line output.

Load : $\leq 0.02\% \pm 2\text{mV}$ for load change from zero to full load.

Ripple & Noise : $\leq 120\text{mV p-p}$
20Hz - 20MHz.

Constant Current Mode :

Regulation :

Line : $\leq 0.05\% \pm 10\text{mA}$ for $\pm 10\%$ line change.

Load : $\leq 0.05\% \pm 10\text{mA}$ for change in output voltage from 0 Volts to maximum output voltage.

Ripple & Noise : 100mA rms.

Metering : 4 Digit DPM.

Setup Resolution : voltage: 0.01V , current: 0.1A

Readback Resolution : voltage: 0.01V , current: 0.1A

Setting Accuracy :

voltage: $0.02\% \pm 0.02\% \text{FS}$, current: $\leq 0.1\% \pm 0.1\% \text{FS}$

Readback Accuracy :

voltage: $0.1\% \pm 0.02\% \text{FS}$, current: $\leq 0.1\% \pm 0.1\% \text{FS}$

Rise time : $< 30\text{ms}$

Fall time : $< 15\text{ms}$

Setup / Readback Stability :

voltage $\leq 0.2\% \pm 0.2\% \text{FS}$, current $\leq 0.5\% \pm 0.1\% \text{FS}$

Efficiency : $\geq 68\%$

Power factor : ≥ 0.7

Communication Interface : USB or LAN

Software feature : data setting & saving, import/export data to/from excel, battery emulator feature

Operation in source mode : CV/CC/CP

Operation in sink mode : CV/CP/CR

Battery charge and discharge : yes

Isolation : 500V or better

Output Polarity : Floating w.r.t. ground.

Protection : OVP / OCP / OPP / OTP,
V-sense Protection

Operating Temperature : 0-50°C.

Line Voltage : 415V AC $\pm 10\%$ 50Hz,
3 phase. OR 230V AC $\pm 10\%$ 50Hz

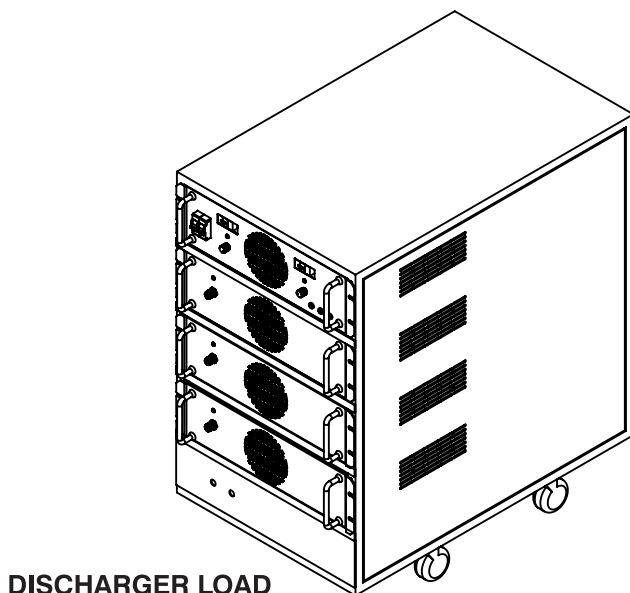
DC Power supply Dimentions :

W 480mm x D 750mm x H 1250mm

Discharger load Dimentions :

W 480mm x D 750mm x H 750mm

NOTE : REGULATION TO BE
MEASURED AT SENSE TERMINALS.



DISCHARGER LOAD

****SUCH 2 SYSTEMS WILL BE JOINED IN REDUNDANCY**