

MX Series

Switching Type Programmable DC Power Supply

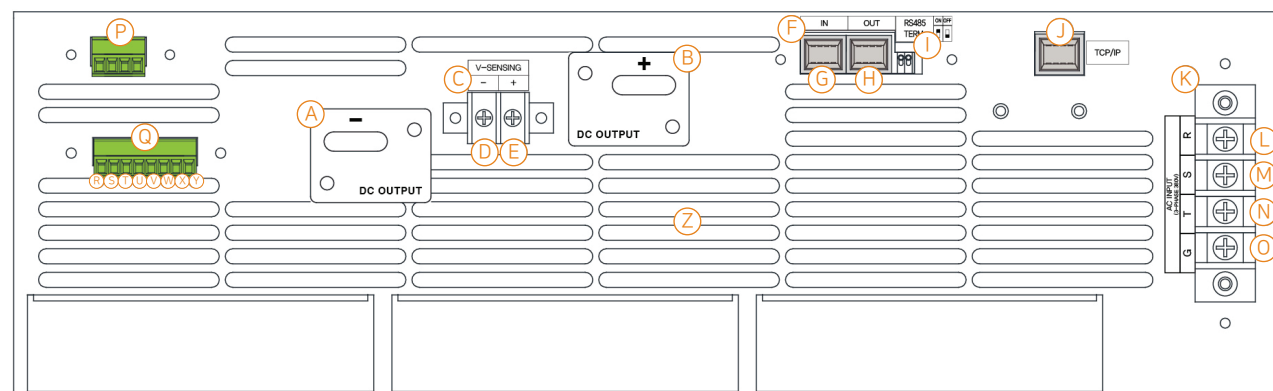
High Power, High Precision up to 300kW(10kW, 15kW in 3U)



MX series is a switching type programmable DC Power supply that can output high power with small product size. This series can supply power and measurement without other measuring instruments by its excellent precision and various protection mode. MX series is optimized for high power with parallel connection and can output power clearly and continuously with low ripple/noise and fast transient time.



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|------------------------------|-------------------------------|---|
| 1 Ventilation slit | 7 CV Mode Lamp | 13 Output ON/OFF Key |
| 2 16 Characters, LCD Display | 8 CC Mode Lamp | 14 IO/Local setting or Error Display Key |
| 3 Error Lamp | 9 Voltage setting Encoder | 15 Protection Setting or Front-panel Lock Key |
| 4 Limit Display Lamp | 10 Current setting Encoder | 16 Setting Value Display Key |
| 5 Key Lock Lamp | 11 Voltage Cursor or Menu Key | 17 Memory Save or Calibration Key |
| 6 Remote Interface Lamp | 12 Current Cursor or Menu Key | 18 Memory Recall or Factory Key |



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| (A) - Negative Output | (H) RS485 Communication Out Port | (D) AC Ground Input | (V) Analog Output Current Terminal Block |
| (B) + Positive Output | (I) RS485 Termination Switch | (P) Terminal Block for Parallel Connection Control | (W) Gnd |
| (C) Voltage Sensing Terminal Block | (J) TCP/IP Port (Option) | (Q) Signal I/O Terminal Socket(Optional) | (X) Outside Output On/Off Terminal |
| (D) - Negative Sensing | (K) AC Input Terminal Block | (R) Analog Input Voltage Terminal Block | (Y) Outside Output On/Off Terminal |
| (E) + Negative Sensing | (L) AC 'R' Phase Input | (S) Gnd | (Z) Ventilation Slit |
| (F) RS232C/RS485 Port | (M) AC 'S' Phase Input | (T) Analog Input Current Control Terminal Block | |
| (G) RS232C/RS485 Communication In Port | (N) AC 'T' Phase Input | (U) Analog Output Voltage Terminal Block | |

Standard Features

- High Power Density up to 10kW, 15kW in 3U
- Wide Voltage Range : 0~20V up to 1500V from 10kW to 15kW, Parallelable up to 300kW
- 0.95 Power Factor
- Intensively Fast Load Transient Response Time: 0.5%/500us
- Low Ripple and Noise, High Accuracy, High Efficiency, High Stability
- 4-Digit Display Resolution
- 16×1 Big-Character Type LCD Display
- Adjustment Encoder for voltage and current setting
- CV/CC Mode
- Remote Voltage-Sensing(Voltage drop compensation)
- OVP, OCP Protection Mode
- UVL(Under Voltage Lock), OVL(Over Voltage Lock), UCL(Under Current Lock), OCL(Over Current Lock)
- Calibration Function(Manual and PC)
- Panel Lock Function
- Memory Save & Recall Function(Up to 10 operation states)
- 11 diverse Factory Modes(User memory clear, Last state, Calibration- Restore etc)
- AC Input 380/400Vac 3phase
- RS-232C, RS485 (TCP/IP is optional)
- SCPI compatible protocol is supported and Modbus is selectable for RS485

Options

- RJ45 to RS232C cable
- RS232C Cable 1M, 2M, 4M
- RS485 Cable 2/4/8-Channel 1M, 2M, 4M, 10M
- AC Input Cable(Special order type)
- Output Cable(Special order type)

Accessories

- AC Input Cable
- Output Bolts
- Rack mount Bracket
- Operating Manual (QR Code)
- Demo software (QR Code)



Easy Control

MX Series can set voltage and current fast by intuitive control panel design and encoder switch for voltage and current each. Also, as it provides only few buttons for frequently used function, you can control the product easily. Various setting can be available by its various functions.



Intensively Fast Load Transient Response Time

MX Series can supply stable voltage to load by extremely fast recovery action from voltage drop or rise caused by excessive load change.



11 kinds of protection modes

MX Series supports 11 protection modes. OVP, OCP, OTP, AC Input Range, AC Phase, PFC, FAN, Module Balance, Control VCC, V-Sensing and Max Watt Trip protect product and load by detecting in real time.

Line-Up and Specification

300kW (10kW, 15kW in 3U)													
Voltage	30V	50V	80V	100V	200V	300V	400V	500V	600V	800V	1000V	1200V	1500V
Current	500A	300A	187.5A	150A	75A	50A	37.5A	30A	25A	18.75A	15A	12.5A	10A