

M10-HV SERIES

High voltage DC power supply

Features

- .High-voltage source for operation of electron tubes
- .Built-in high voltage resistant transformer to supply the filament for electron tubes (option)
- .Continuously adjustable high voltage with passive current limit and voltage display
- .Floating and safe to touch

Specifications

- .Input Voltage: 220~240VAC \pm 10%
- .Dimensions: 132(W) \times 160(H) \times 270(D)mm
- .Weight: 2kg

Model	High Voltage Output	AC Output(Optional)
M10-HV10000A	0~10000V/10mA	6.3V/3A
M10-HV6000A	0~6000V/3mA	6.3V/3A
M10-HV5000A	0~5000V/2mA	6.3V/3A



M10-HV10000A



M10-HV10000A
(with optional AC output)

M10-DC152



Symmetrical adjustable DC power supply

Features

- .Symmetrical adjustable DC voltage source for electronic circuits
- .5VDC voltage source for digital circuits
- .2 1/2 digits LED for voltage display
- .Current-limit protection

Specifications

- .Output Voltage: (1) $0 \sim \pm 15V$, $0 \sim 30V$
(2) 5V
- .Output Current: (1) 1.5A
(2) 0.5A
- .Load Regulation: (1) (2) 2mV
- .Line Regulation: (1) 1mV
(2) 4mV
- .Ripple: (1) (2) 1.5mV
- .Input Voltage: $110 \sim 127VAC \pm 10\%$ 60Hz,
 $220 \sim 240VAC \pm 10\%$ 50Hz switchable
- .Dimensions: $175(W) \times 180(H) \times 270(D)$ mm
- .Weight: 5kg



M10-DC152

M10-AD123



AC & DC power supply

Features

- .Both AC and DC output (DC regulated)
- .DC continuously adjustable
- .4 electrically isolated AC output
- .Analog meter for voltage display
- .Current-limit protection for DC output

Specifications

.DC Output:

- .Output Voltage: 0~12V
- .Output Current: 3A
- .Load Regulation: 5mV
- .Line Regulation: 1mV
- .Ripple: 1mV
- .Display Accuracy: 2.5%

.AC Output:

- .Output Voltage: 3V, 6V, 9V, 12V
- .Output Current: 3A

- .Input Voltage: 220~240VAC \pm 10%
- .Dimensions: 175(W) \times 180(H) \times 270(D)mm
- .Weight: 3kg



M10-AD123

M10-AD150-7 **AC & DC power supply****Features**

- .Both AC and DC output (DC regulated)
- .DC continuously adjustable and AC step-by-step
- .LED meters for both voltage and current display
- .Current-limit protection for DC output
- .Short-circuit protection for AC output
- .Over heat protection for the device

Specifications**.DC Output:**

- .Output Voltage: 0~15V
- .Output Current: 7A
- .Load Regulation: 5mV
- .Line Regulation: 2mV
- .Ripple: 2mV

.AC Output:

- .Output Voltage: 1.5V, 3V, 4.5V, 6V, 7.5V, 9V, 12V, 15V
- .Output Current: 7A

- .Input Voltage: 220~240VAC $\pm 10\%$
- .Dimensions: 175(W) \times 180(H) \times 270(D)mm
- .Weight: 5kg

**M10-AD150-7**

M10-AD3030 SERIES



AC & DC power supply

Features

- .AC and DC combined power supply
- .DC constant voltage and constant current
- .AC output over load protection
- .19-inch rack mount (3U) and benchtop
- .Output from front panel and rear panel
- .Temperature controlled fan

Specifications

DC output

- .Line Regulation: CV $6 \times 10^{-4} + 3\text{mV}$ CC $2 \times 10^{-3} + 3\text{mA}$
- .Load Regulation: CV $3 \times 10^{-3} + 5\text{mV}$ CC $2 \times 10^{-3} + 5\text{mA}$
- .Ripple & Noise: CV 50mVrms CC 50mArms
- .Display Accuracy: Voltmeter $\pm(1.0\% \text{Rdg} + 2\text{digits})$
Ammeter $\pm(1.0\% \text{Rdg} + 2\text{digits})$

AC output

- .Display Accuracy: Voltmeter $\pm(1.0\% \text{Rdg} + 2\text{digits})$
Ammeter $\pm(1.0\% \text{Rdg} + 2\text{digits})$

- .Input Voltage: 110~127VAC $\pm 10\%$, 220~240VAC $\pm 10\%$ Switchable
- .Dimensions: 19" 3U
- .Weight: 22kg

Model	DC Voltage Output	DC Current Output	AC Voltage Output	AC Current Output
M10-AD3030	0~30V	0~30A	0~30V	0~30A
M10-AD3030W	0~30V	0~30A	I 0~30V	I 0~30A
			II 0~250V	II 0~4A



M10-AD3030



M10-AD3030W

M10-NSS SERIES



Switching power supply

Features

- .750W power output
- .Constant voltage and constant current
- .More units parallel operation
- .Efficiency up to 90%
- .High power density, small and light
- .USB charger 5V/2A

Specifications

- .Line Regulation: CV 10mV CC 4mA
- .Load Regulation: CV 20mV CC 20mA
- .Ripple & Noise: CV 30mV rms CC 30mA rms
- .Display Accuracy: Voltmeter $\pm(0.2\%Rdg+2digits)$
Ammeter $\pm(0.2\%Rdg+5digits)$
- .Input Voltage: 110~127VAC $\pm 10\%$, 220~240VAC $\pm 10\%$ Switchable
- .Dimensions: 100(W) \times 160(H) \times 320(D)mm
- .Weight: 3kg

Model	Output Voltage	Output Current
M10-NSS3025	0~30V	0~25A
M10-NSS6012	0~60V	0~12.5A



M10-NSS3025

M10-SPS SERIES



Switching power supply

Features

- .Constant voltage and constant current operation
- .Two 3 digits LED digital panel meters
- .Efficiency up to 90%
- .High power density
- .19-inch rack mount(2U) and benchtop
- .Voltage and current control by 10-turn potentiometer, resolution 0.03%
- .Protected against all overload and short circuit conditions
- .Isolated analog and digital programming interface option
- .5V, 13.8V, 25V fixed output setting on the real panel

Specifications

- .Line Regulation: CV 0.01% CC 0.01%
- .Load Regulation: CV 5% CC 2%(M10-SPS30100)
CV 2.5% CC 2%(M10-SPS6050)
CV 2% CC 2%(M10-SPS4006, M10-SPS8003)
- .Ripple & Noise: CV 0.5% V_{max} (20Hz~20MHz)
CC 0.5% I_{max}
- .Display Accuracy: Voltmeter $\pm(1\%Rdg+2digits)$
Ammeter $\pm(1\%Rdg+5digits)$
- .Input Voltage: 110~127VAC $\pm 10\%$, 220~240VAC $\pm 10\%$ Switchable
- .Dimensions: 19" 2U
- .Weight: 12kg

Model	Output Voltage	Output Current
M10-SPS30100	0~30V	0~100A
M10-SPS6050	0~60V	0~50A
M10-SPS4006	0~400V	0~6A
M10-SPS8003	0~800V	0~3A



M10-SPS6050

P228001

Spectrum lamp holder & power supply

Features

- . Pico 9 or E27 lamp socket for choice (P228001 & P2281XX series)
- . 6 kinds of P2281XX series

Specifications

- . Maximum output current: 1A
- . Lamp housing: 56(W)×190(H)×56(D)mm
- . Tripod rod: 295mm
- . Lamp socket: Pico 9 or E27
- . Dimensions(power supply only): 153(W)×115(H)×195(D)mm
- . Weight: 3kg



P228001

P2281XX SERIES

Spectral lamps

Specifications

- . Socket: Pico 9 or E27
- . Operating current: 1A

Model	Filling
P228101	Cd
P228102	He
P228103	Hg
P228104	Na
P228105	Ne
P228106	Zn



P2281XX series

P218001

Spectrum tube power supply

Features

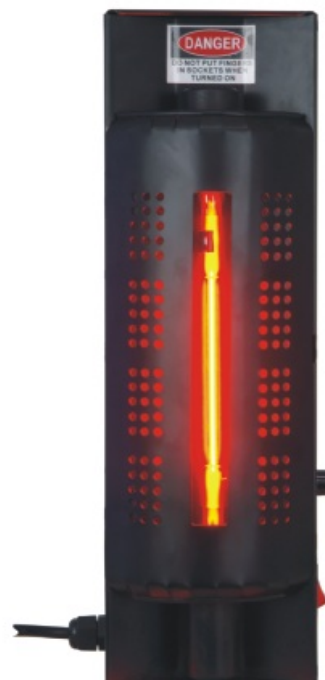
- .Spring-contacts in fully insulated fixtures
- .Protective window guarantee secure mounting and reliable operation
- .With safe lock protection: when the safe door opens, the spectrum tube power supply will stops working even the power is still on.
- .13 kinds of P2181XX series

Specifications

- .Voltage: 5000V
- .Maximum current: 10mA
- .Dimensions: 118(W)×375(H)×120(D)mm
- .Weight: 2.8kg



Safe lock protection



P218001

P2181XX SERIES

Spectrum tubes

Specifications

- .Capillary length: 100mm
- .Total length: approx. 260mm



P2181XXseries

Model	Filling
P218101	Air
P218102	Argon
P218103	Carbon dioxide
P218104	Helium
P218105	Hydrogen
P218106	Iodine
P218107	Krypton
P218108	Mercury
P218109	Neon
P218110	Nitrogen
P218111	Oxygen
P218112	Water vapor
P218113	Xenon