XR Series

Programmable DC Power Supply

CERTIFICACIONES



POTENCIA	VOLTAJE	CORRIENTE	MODELOS	TAMAÑO
2 kW to **10** kW	**2000** Vdc to **10,000** Vdc	**310** Adc to **600** Adc	**39**	**2**U

1 Descripción

La serie 2U XR complementa la serie 1U SL al proporcionar modelos de alto voltaje (más de 1500 VCC) y alta corriente (más de 250 ADC) en un paquete 2U a 2 kW, 4 kW, 6 kW, 8 kW y 10 kW. La serie XR presenta el rango de voltaje más alto en la oferta de productos de Magna-Power, hasta 10,000 VDC y modelos de alta corriente de hasta 600 dc, todos utilizando el procesamiento de potencia de corriente firme de la compañía para ofrecer una conversión de potencia robusta. Además, los niveles de programación y monitoreo de alta precisión permiten confianza en las mediciones de la fuente de alimentación, eliminando la necesidad de medidores de energía externos.

2 Opciones Integradas Disponibles

+HS	High Slew Rate Output
+GPIB	IEEE-488 GPIB
+LXI	LXI TCP/IP Ethernet
+RUG	Ruggedized

3 Especificaciones

Las especificaciones están sujetas a cambios sin previo aviso. Salvo que se indique lo contrario, todas las especificaciones se miden en los valores nominales máximos del producto.

3.1 AC Input Specifications

PARÁMETRO	VALOR	CONDICIONES
1Φ AC Input Voltage	208 Vac (operating range 187 - 229 Vac) 240 Vac (operating range 216 - 264 Vac)	1Φ, 2-wire + ground, Available on 2 kW models only
3Φ AC Input Voltage	208 Vac (operating range 187 to 229 Vac) 240 Vac (operating range 216 to 264 Vac) 380 Vac (operating range 342 to 440 Vac) 415 Vac (operating range 373 to 456 Vac) 440 Vac (operating range 396 to 484 Vac) 480 Vac (operating range 432 to 528 Vac)	3Φ, 3-wire + ground; Available on all models
Input Frequency	50 Hz to 400 Hz	
Power Factor	>0.92 at max power; models with 3Φ AC input 0.70 at max power; models with 1Φ AC input	
AC Input Isolation	±2500 Vdc, maximum input voltage to ground	

3.2 DC Output Specifications

PARÁMETRO	VALOR	CONDICIONES
Voltage Ripple	Model specific. Refer to chart of available models.	
Line Regulation	Voltage mode: ± 0.004% of full scale Current mode: ± 0.02% of full scale	
Load Regulation	Voltage mode: ± 0.01% of full scale Current mode: ± 0.04% of full scale	
Load Transient Response	2 ms to recover within ±1% of regulated output with a 50% to 100% or 100% to 50% step load change	
Stability	± 0.10% for 8 hrs. after 30 min. warm-up	
Efficiency	80% to 93% Model specific. Refer to chart of available models.	
Maximum Slew Rate	< 170 ms for a programmed output voltage change from 0 to 63% < 200 ms for a programmed output current change from 0 to 63%	Standard Models
Maximum Slew Rate	< 5 ms for a programmed output voltage change from 0 to 63% < 10 ms for an output current change from 0 to 63%	Models with High Slew Rate Output (+HS) Option
Bandwidth	3 Hz with remote analog voltage programming 2 Hz with remote analog current programming	Standard Models
Bandwidth	60 Hz with remote analog voltage programming 45 Hz with remote analog current programming	Models with High Slew Rate Output (+HS) Option
DC Output Isolation	±1000 Vdc, maximum output voltage to ground	Models Rated ≤1000 Vdc
DC Output Isolation	±(1500 Vdc + Vo/2), max output voltage to ground, where Vo is the max rated voltage	Models Rated >1000 Vdc and ≤3000 Vdc
DC Output Isolation	No output isolation, specify positive or negative output polarity at time of order	Models Rated >3000 Vdc

3.3 Programming Interface Specifications

PARÁMETRO	VALOR	CONDICIONES
Front Panel Programming	Stepless aluminum rotary knobs and keypad	

3.3 Programming Interface Specifications

PARÁMETRO	VALOR	CONDICIONES
Computer Interface	RS232, D-sub DB-9, female (Standard) LXI TCP/IP Ethernet RJ45 (Option +LXI) IEEE-488 GPIB (Option +GPIB)	
External User I/O Port	37-pin D-sub DB-37, female Referenced to Earth ground; isolated from power supply output See User Manual for pin layout	Analog and Digital Programming
Remote Sense Limits (Wired)	3% maximum voltage drop from output to load	Available for models ≤ 1000 Vdc

3.4 Accuracy Specifications

PARÁMETRO	VALOR	CONDICIONES
Voltage Programming Accuracy	± 0.075% of max rated voltage	
Over Voltage Trip Programming Accuracy	± 0.075% of max rated voltage	
Current Programming Accuracy	± 0.075% of max rated current	
Over Current Trip Programming Accuracy	± 0.075% of max rated current	
Voltage Readback Accuracy	± 0.2% of max rated voltage	
Current Readback Accuracy	± 0.2% of max rated current	

3.5 External User I/O Specifications

PARÁMETRO	VALOR	CONDICIONES
Analog Programming and Monitoring Levels	0-10 Vdc	
Analog Output Impedances	Voltage output monitoring: 100 Ω Current output monitoring: 100 Ω +10V reference: 1 Ω	
Digital Programming and Monitoring Limits	Input: 0 to 5 Vdc, 10 kΩ input impedance Output: 0 to 5 Vdc, 5 mA drive capacity	

3.6 Physical Specifications

PARÁMETRO	VALOR	CONDICIONES
Racking Standard	EIA-310	
Rear Support Rails	Included	
Size and Weight	2U 3.50" H x 19" W x 24" D (8.89 x 48.26 x 60.96 cm) 45 lbs (20.41 kg)	2 kW Models
Size and Weight	2U 3.50" H x 19" W x 24" D (8.89 x 48.26 x 60.96 cm) 47 lbs (21.32 kg)	4 kW Models
Size and Weight	2U 3.50" H x 19" W x 24" D (8.89 x 48.26 x 60.96 cm) 48 lbs (21.77 kg)	6 kW Models
Size and Weight	2U 3.50" H x 19" W x 24" D (8.89 x 48.26 x 60.96 cm) 48 lbs (21.77 kg)	8 kW Models
Size and Weight	2U 3.50" H x 19" W x 24" D (8.89 x 48.26 x 60.96 cm) 48 lbs (21.77 kg)	10 kW Models

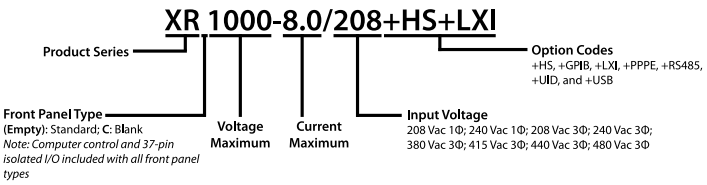
3.7 Environmental Specifications

PARÁMETRO	VALOR	CONDICIONES
Ambient Operating Temperature	-25°C to 50°C	
Storage Temperature	-25°C to +85°C	
Humidity	Relative humidity up to 95% non-condensing	
Temperature Coefficient	0.04%/°C of maximum output voltage 0.06%/°C of maximum output current	
Air Flow	Side air inlet, rear exhaust	

3.8 Regulatory Specifications

PARÁMETRO	VALOR	CONDICIONES
EMC	Complies with 2014/30/EU (EMC Directive) CISPR 22 / EN 55022 Class A	
Safety	Complies with EN61010-1 and 2014/35/EU (Low Voltage Directive)	
CE Mark	Yes	
RoHS Compliant	Yes	

4 Guía de pedido de modelos



5 Modelos

Max Voltage Vdc	2 kW	4 kW	6 kW	8 kW	10 kW	Ripple mVrms	Efficiency
			Max Current Adc				
5	375	600	—	—	—	50	80%
10	—	375	600	—	—	50	84%
16	—	—	375	500	600	50	84%
20	—	—	300	375	500	45	87%
25	—	—	—	320	400	45	88%
32	—	—	—	—	310	40	88%
2000	1	2	3	4	5	500	93%
3000	0.6	1.3	2	2.6	3.3	600	93%
4000	0.5	1	1.5	2	—	6500	93%
6000	0.33	0.66	1	1.33	—	7500	93%
8000	0.25	0.5	0.75	1	—	8500	93%
10000	0.2	0.4	0.6	0.8	—	9500	93%
AC Input Voltage Vac			**Input Current Per Phase** Aac				
208/240 Vac, 1Φ	17	—	—	—	—		
208/240 Vac, 3Φ	8	15	22	29	35		
380/415 Vac, 3Φ	5	9	12	16	19		
440/480 Vac, 3Φ	4	8	11	14	17		

6 Características

Fast, accurate power delivery with controls and options tailored to your needs

Rendimiento de alta tensión y alta corriente en 2U

Salida precisa y estable para cargas exigentes.



La Serie XR complementa la Serie SL de 1U al extenderse a modelos de 2–10 kW para alta tensión, desde 2000 Vdc hasta 10,000 Vdc, y alta corriente, desde 375 Adc hasta 600 Adc, todo en un formato compacto de 2U. En modo de tensión constante o corriente constante con cruce automático, la Serie XR ofrece una rápida recuperación de transitorios, una precisión de programación de ±0.075% para tensión y corriente, y una precisión de medición de ±0.2%, lo que permite un control y una lectura confiables sin instrumentación externa.

Configurado a pedido con opciones integradas

Características estándar completas, ampliables según las necesidades.

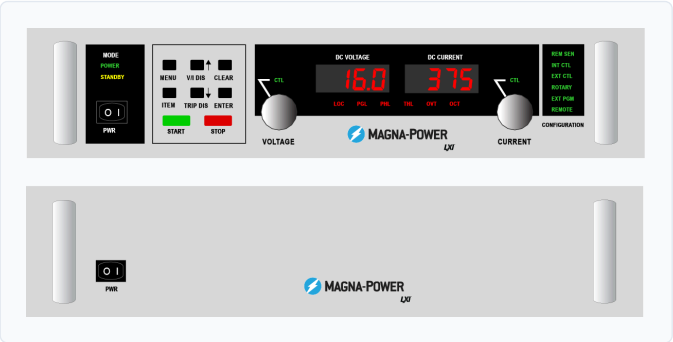


La Serie XR comienza con una base sólida: SCPI a través de RS232, E/S de usuario aislada de 37 pines, controladores LabVIEW e IVI, y software Remote Interface incluidos. Cuando las aplicaciones requieren más, las opciones totalmente integradas adaptan el rendimiento, la conectividad y la mecánica, sin cajas externas ni cableado improvisado.

- Controles de computadora SCPI estándar, RS232, E/S analógica/digital aislada de 37 pines, controladores LabVIEW e IVI, software RIS.
- Salida de alta velocidad de respuesta (+HS) para mayor ancho de banda y tiempos de subida programados más rápidos.
- Opciones de conectividad LXI TCP/IP Ethernet (+LXI) y IEEE-488 GPIB (+GPIB).
- Ruggedizado (+RUG) para choque y vibración según MIL-STD

Control continuo desde el panel frontal con opción de panel en blanco

Control directo donde lo necesita, oculto donde no.

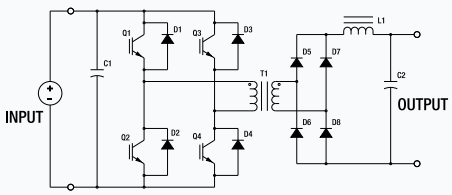


El panel frontal estándar del XR ofrece control rotativo y por teclas, medición digital de alta visibilidad e indicadores de estado claros, permitiendo a los operadores configurar puntos de ajuste, iniciar y detener la fuente, y verificar el estado del sistema de un vistazo. Para OEM y herramientas de producción, el panel frontal en blanco opcional (versión C) elimina por completo los controles locales, manteniendo el control total a través de interfaces de comunicación y el conector de E/S de usuario de 37 pines en el panel trasero, lo que mantiene los sistemas seguros, limpios y protegidos contra manipulación del operador.

Rugged by design: safety + reliability, as you'd expect from Magna-Power.

Procesamiento de potencia confiable alimentado por corriente

Robusto por diseño: topología autoprotegida para máximo tiempo de actividad.



The SLx Series uses a high-frequency, current-fed architecture that adds a control stage beyond conventional voltage-fed designs. This topology inherently limits fault energy—avoiding fast-rising current spikes and magnetic core saturation so the supply self-protects and your load stays safe. Paired with state-of-the-art SiC power semiconductors, SLx delivers class--leading power density, efficiency, and reliability, including continuous full-power operation up to 50°C ambient.

- Current-fed architecture with an added control stage vs. voltage-fed.
- Inherent surge immunity—no current spikes or core saturation.
- Self-protecting behavior under fault conditions.
- SiC devices for high density and efficiency; full power to 50°C.

Seguridad en capas, enclavamiento y parada de emergencia

Límites programables estándar más desconexión por cableado directo.



Una etapa de arranque suave mantiene la corriente de irrupción por debajo del consumo en estado estacionario, mientras que los diagnósticos integrados supervisan las condiciones de línea, térmicas e internas. Ante una falla, un disparo instantáneo (OSHT) detiene el inversor. Las fallas se reportan en la pantalla de estado del panel frontal y a través de SCPI/Modbus para una resolución rápida de problemas.

- El arranque suave limita la corriente de irrupción; el consumo de CA se mantiene por debajo de la corriente a plena carga.
- Disparos programables: sobretensión, sobrecorriente, sobrepotencia.
- Monitoreo térmico en disipador de calor y capacitores de salida.
- Entrada de enclavamiento de 5V para contacto seco, inhibición con retención (se mantiene la alimentación de control).
- Parada de emergencia de 24 V que bypasea la lógica para interrumpir la CA; desconexión completa por hardware.

From lab scripts to factory PLCs, flexible programming & integration.

Integración de software simplificada

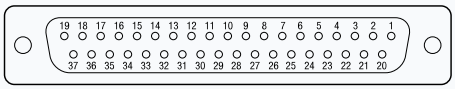
Comandos legibles, resultados rápidos—funciona con cualquier lenguaje.

Las fuentes de alimentación MagnaDC ofrecen una API clara basada en texto con SCPI nativo, un lenguaje de comandos basado en ASCII enviado a través de comunicaciones por socket. Más de 40 comandos bien documentados cubren inicio/parada, puntos de ajuste de voltaje, corriente, mediciones de alta precisión y configuración completa—para que sus scripts y sistemas pasen del concepto a la producción rápidamente.

- Conjuntos de comandos SCPI con comportamiento consistente.
- Inicio/parada y protecciones: habilitar salida, establecer límites de disparo, consultar estado.
- Lecturas de alta precisión: voltaje, corriente, potencia y retroalimentación de sensor.
- Documentación y ejemplos orientados al desarrollador.

E/S de usuario externa para control PLC o simulación PHIL

Conéctelo como un módulo de E/S, sin necesidad de aislamiento adicional.



Via the included rear 37-pin User I/O connector, MagnaDC supplies can be fully driven and monitored by external signals or a PLC. Voltage, current, OVT, and OCT set points are programmed with 0–10 V analog inputs, while each diagnostic condition has its own +5V digital status pin. Built-in +2.5V, +5V, and +10V reference rails let you use dry contacts without adding external supplies. All I/O is isolated from the output and referenced to earth ground as standard.

- 0–10 V analog programming for V, I, OVT, and OCT.
- Per-fault digital outputs: each diagnostic has its own +5V pin.
- Isolated user I/O referenced to earth ground—no extra isolators.
- With High Slew Rate Output (+HS), high-bandwidth response and fast rise times support HIL/PHIL simulation applications.

Operación maestro-esclavo de alto rendimiento

Escale voltaje o corriente sin sacrificar rendimiento.

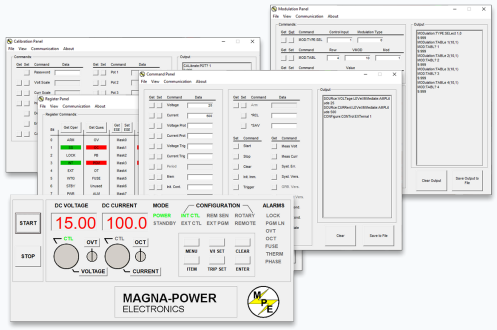


All MagnaDC supplies support master-slave operation, using gate-drive signals from the master when configured for parallel, so the whole stack behaves like a single supply—with one control loop and no noisy long analog references. The optional UID47 accessory simplifies wiring for series or parallel sets with near-equal sharing.

- Single control loop parallel operation: Master gate-drive to slaves for consistent dynamics.
- Plug & play with the UID47, enabling parallel or series stacks with current/voltage sharing.
- Series up to the DC isolation rating without added hardware.
- No additional ORing diodes required for parallel operation.

Software, controladores LabVIEW e IVI de Magna-Power

Del panel frontal virtual a la automatización completa, listo para usar.



Cada fuente MagnaDC incluye un controlador IVI y un controlador NI LabVIEW con un conjunto completo de VIs, además de programas de ejemplo para que pueda comunicarse con el hardware en minutos. Para el control directo estilo panel frontal desde una PC, el software de interfaz remota de Magna-Power ofrece una vista completa de la fuente, desde comandos y registros hasta calibración y firmware.

- Controladores IVI y NI LabVIEW incluidos con conjunto completo de VIs.
- Programas de ejemplo para acelerar la integración y las pruebas.
- Software de interfaz remota con:
  - Panel frontal virtual para control manual
  - Panel de comandos para explorar y enviar comandos
  - Panel de registros para monitoreo de estado en tiempo real
  - Panel de calibración para potenciómetros digitales internos
  - Panel de firmware para actualizaciones en sitio
  - Panel de modulación para emular perfiles no lineales
- Todas las interfaces de comunicación compatibles con el software y los controladores para una experiencia de programación consistente.

State-of-the-art USA manufacturing with worldwide support

Made in the USA

Fabricación verticalmente integrada para un control de calidad total.

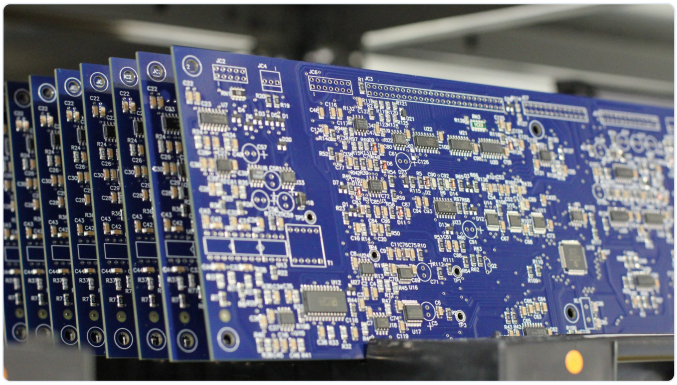


Los productos de Magna-Power se diseñan, fabrican, prueban y reciben servicio en la sede central de Magna-Power de 73,500 sq-ft en Flemington, New Jersey, donde el trabajo en metal, los magnéticos, el ensamblaje de PCB y el rodaje se realizan internamente para un control riguroso de la calidad, los costos y los tiempos de entrega.

- Fabricado en EE. UU.: Ingeniería, manufactura y servicio bajo un mismo techo.
- Producción interna: Trabajo en metal, magnéticos, PCBs SMT y acabados.
- Fiabilidad comprobada: Cada unidad completamente probada, calibrada y sometida a rodaje.

Servicio mundial y soporte de piezas OEM

Experiencia de fábrica, respuesta local.

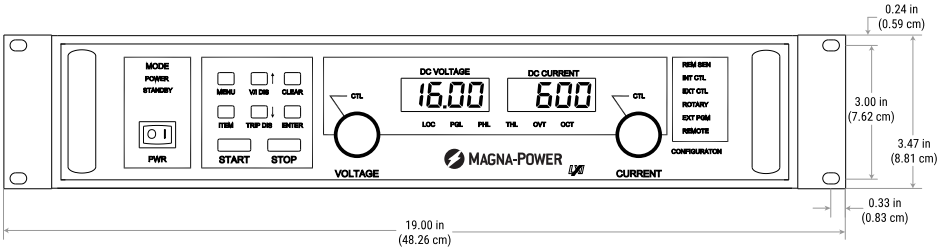


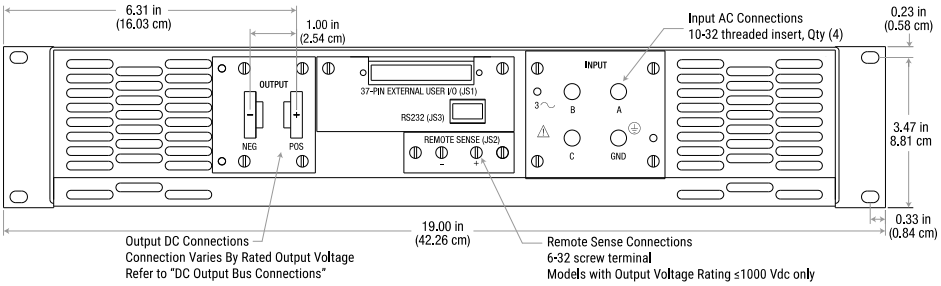
Magna-Power respalda sus productos con centros de servicio de fábrica y autorizados en América del Norte, Europa, el Reino Unido, Asia-Pacífico, Asia Oriental y América del Sur, utilizando procedimientos de fábrica y piezas originales para restaurar las unidades a sus especificaciones originales, dentro o fuera de garantía.

- Cobertura global: sede central en Nueva Jersey más centros de servicio autorizados regionales.
- Reparaciones consistentes: diagnósticos de fábrica, instrucciones de trabajo y diagramas del sistema.
- Piezas OEM originales: ensamblajes de repuesto probados para un servicio predecible y con mínimo tiempo de inactividad.

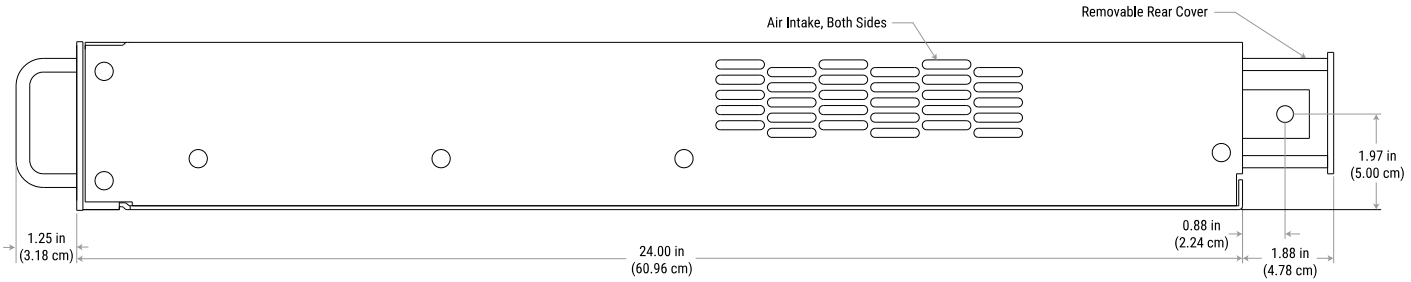
7 Diagramas

Front Panel



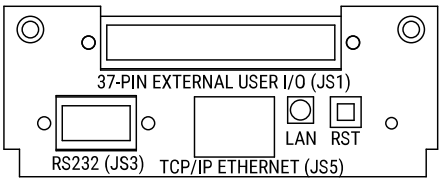


Side Panel



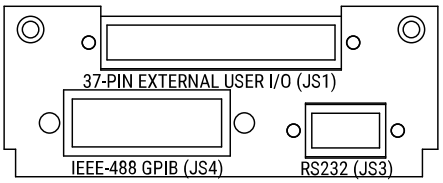
Communications Interface

LXI TCP/IP Ethernet Option (+LXI)



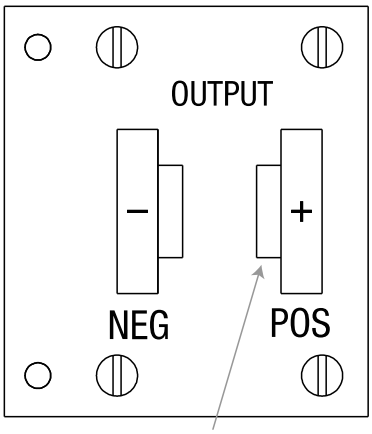
Communications Interface

IEEE-488 GPIB Option (+GPIB)



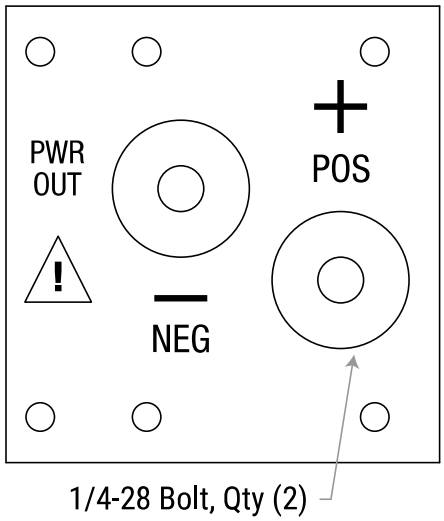
Standard Output Bus

Models ≤1000 Vdc

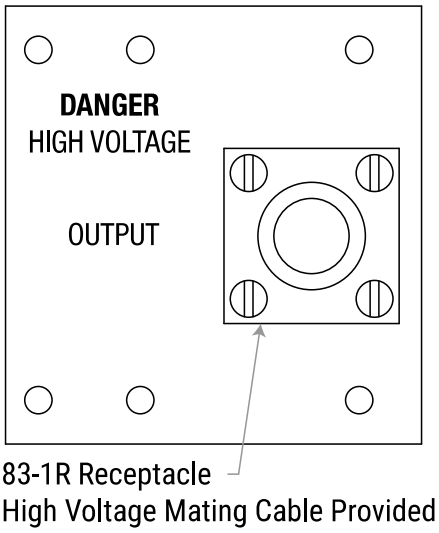


0.250 x 1.000 Tin Plated Copper Bus
3/8-16 Threaded Insert, Qty (2)

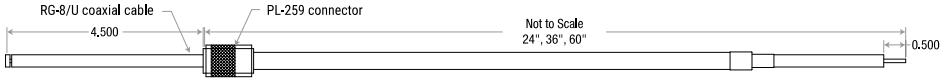
High Voltage Output Bus
Models >1000 Vdc and ≤3000 Vdc



Very High Voltage Output Bus
Models >3000 Vdc



Very High Voltage Output Cable
Included, Models >3000 Vdc



8 Opciones Integradas Disponibles

+HS High Slew Rate Output

Una modificación de hardware y control que reemplaza la etapa de salida estándar por una de condensadores de película de baja capacitancia y/o condensadores electrolíticos de aluminio con alta corriente RMS nominal. Esta opción proporciona mayor ancho de banda con tiempos de subida y bajada de salida más rápidos.

The high slew rate option solves several limitations inherent in switching power supply design. Rapid voltage transitions require internal electronics to supply the energy to charge and discharge output capacitors. Peak currents internal to the power supply define slew rate; utilizing less capacitance enables voltage transitions in shorter time periods. Additionally, less capacitance reduces requirements for discharge demands during open circuit conditions.

The standard output stage Magna-Power Electronics power supplies has been designed to provide the lowest possible output ripple voltage within the constraints of available components, size, and cost. Part of the output stage consists of a bank of aluminum electrolytic capacitors which has the desired electrical properties to provide this function. These components require bleed resistors to discharge any voltage when the power supply has no load and is disabled. While the presence of these components and the resulting performance are normally industry accepted, there are applications where lower output capacitance and lower loss bleed resistors are extremely desirable and higher ripple voltage is acceptable. To meet this need, a high-slew rate option is available which has an output stage consisting of low capacitance film and aluminum electrolytic capacitors and lower loss bleed resistors. Applications for the high-slew rate option include battery charging, photovoltaic emulation, power waveform generation, and medium speed power pulsing. These applications all benefit from higher bandwidth and in many cases, can tolerate increased ripple voltage.

Key Applications

For **battery charger applications**, output capacitance and internal bleed resistors present themselves as a load to the connecting batteries. One common practice is to use a series diode to block reverse current flow with the sacrifice of increased cost and lower efficiency. The high slew rate option, with its lower output capacitance and lower loss bleed resistors, enables direct connection to batteries without series blocking diodes.

For **photovoltaic emulation applications**, higher bandwidth and lower output capacitance enable improved performance with higher speed, maximum power tracker algorithms. Maximum power tracker circuitry deviates the operating point of photovoltaic arrays to determine maximum power output. Slow responding emulation sources can present a problem when the speed of the algorithm exceeds that of the source. Furthermore, with lower output capacitance, changes in the operating point and transients, caused by shorting the solar inverter input, produce lower unwanted input currents.

The high-slew rate option enables the power supply to operate as a **low frequency, power pulse generator**. With the special capacitors selected for this option, it is possible to superimpose waveforms or produce a medium speed pulse on top of the dc output and expect normal capacitor life. It is

important to note that the power supply output is single quadrant; that is, the output voltage or current cannot reverse.

Specifications

SL Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	4235	0.5
10	1740	0.6
16	1740	0.6
20	775	0.6
25	775	0.8
32	775	0.8
40	760	1.5
50	760	1.5
60	760	2.0
80	110	1.5
100	110	1.6
125	70	1.7
160	70	1.8
200	70	1.8
250	70	1.8
300	70	1.8
375	70	1.8
400	70	1.8
500	40	2.0
600	40	2.2
800	30	2.5
1000	30	3.4
1250	—	3.4
1500	—	4.0

XR Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	13200	1.5
10	4080	1.6
16	4080	1.7
20	2340	1.8
25	1170	1.8
32	1170	1.8
40	240	1.8
50	240	1.8
60	240	2.0
80	240	2.2
100	160	2.5
125	160	3.0
160	160	2.8
200	160	4.0
250	160	1.6
300	160	1.8
375	160	1.8
400	160	1.8
500	56	3.0
600	56	3.0
800	52	3.0
1000	52	3.0
1250	18	3.5
1500	18	3.5
2000	18	5.0
3000-10000	—	—

TS Series Output Stage Ratings with the High Slew Rate Output Option Integrated

Voltage Maximum Rating (Vdc)	Output Capacitance (uF)	Output Voltage Ripple (Vrms)
5	13200	0.5
8	9000	0.5
10	9000	0.5
16	4080	0.5
20	2340	0.8
25	2340	0.8
32	1170	0.8
40	1170	0.8
50	1170	0.8
60	300	1.2
80	300	1.2
100	200	1.6
125	200	1.6
160	200	1.6
200	200	2.0
250	200	2.0
300	200	2.2
375	200	2.2
400	200	2.4
500	200	2.7
600	120	2.6
800	70	2.6
1000	60	3.5
1250	18	3.5
1500	18	4.3
2000	18	3.8
3000	9	7.2
4000	9	4.0

Note:
For 20 to 30 kW models, multiply capacitance by 2
For 40, 50, 75, and 100 kW models, contact Magna-Power support

For MT Series and ML Series output stage ratings with the high slew rate output option, please inquire with your local sales partner regarding the specific model.

+GPIB IEEE-488 GPIB

Interfaz de comunicación IEEE-488 de bus de interfaz de propósito general (GPIB) que proporciona compatibilidad y soporte completo de comandos con otros dispositivos GPIB

The IEEE-488 interface, sometimes called the General Purpose Interface Bus (GPIB), is a general purpose digital interface system that can be used to transfer data between two or more devices. It is particularly well-suited for interconnecting computers and instruments. Some of its key features are:

- Up to 15 devices may be connected to one bus
- Total bus length may be up to 20 m and the distance between devices may be up to 2 m

- Communication is digital and messages are sent one byte (8 bits) at a time
- Message transactions are hardware handshaked
- Data rates may be up to 1 Mbyte/sec

The IEEE-488 GPIB interface in integrated with the power supply's rear communication ports. The IEEE 488 interface offers full compatibility with Magna-Power provided drivers, software and SCPI command set.

+LXI LXI TCP/IP Ethernet

Protocolo de comunicación TCP/IP Ethernet e interfaz RJ-45 única, certificado con el estándar LXI Clase C, para comunicaciones por socket mediante redes informáticas convencionales

Certified to the LXI Standard (Class C), version 1.4, this option allows the product to be fully controlled over an integrated TCP/IP Ethernet interface. LXI is an instrumentation platform based on industry standard Ethernet technology designed to provide modularity, flexibility, and performance to small- and medium-sized systems. All of the product's standard SCPI commands are supported over the +LXI option, along with all provided software and drivers.

LXI's advantages are exemplified in its compact, flexible package providing high-speed I/O and reliable measurements. The Magna-Power Electronics LXI TCP/IP Ethernet option includes an embedded web-server, allowing web browser power supply control and monitoring from virtually anywhere.

Note: For xGen products, only the SCPI command protocol is available when LXI TCP/IP Ethernet interface is installed. Modbus communication protocol is not available through any interface when the LXI TCP/IP Ethernet interface is installed.

+RUG Ruggedized

Refuerzo interno del producto, probado de forma independiente para cumplir con especificaciones seleccionadas de choque y vibración de los estándares MIL-STD-810G y RTCA DO-160.

The Ruggedized Option (+RUG) provides additional mechanical security for large power components and sub-assemblies within SLx Series, SL Series, and XR Series products.

SLx Series, SL Series, and XR Series units with the Ruggedized Option have been independently tested to comply with the following MIL-STD-810G shock and vibration specifications:

- MIL-STD-810G CHG1 Method 516.7 Functional Shock, Procedure I; which subjects the product to 40G, 11 ms terminal saw tooth pulse; three shocks in each direction along three mutually perpendicular axes
- MIL-STD-810G CHG1 Method 514.7 Vibration; which subjects the product to two hours of vibration per axis along three mutually perpendicular axes

In addition to the specifications listed above, the air cooled SLx Series products with the Ruggedized Option have also been independently tested to comply with RTCA/DO-160G Section 8.0 Vibration, Profile B4 with its associated total energy of 2.2 G_{rms} for equipment installed in Fixed Wing aircrafts with Turbojet or Turbofan engines.

With the Ruggedized Option, SL Series and XR Series products maintain ambient operating temperatures from -25°C to 50°C, while SLx Series products maintain ambient operating temperatures from 0ºC to 50ºC. Storage temperature for all products is rated from -40°C to +85°C.

9 Imágenes del producto





Qty (4) XR Series 10 kW units mounted in a 12U CAB1

10 Descargas

https://magna-power.com/es/products/magnadc/xr#downloads

11 Contacto

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