



INDUSTRIAL AND TELECOM APPLICATION POWER SUPPLIES

DC/DC CONVERTERS	switchmode technology
AC/DC RECTIFIERS	microprocessor managing and monitoring
DC/AC INVERTERS	building-block modules for PS systems of up to 100kW
AC/AC UPS MODULES	

SPECIAL PURPOSE POWER SUPPLIES

HIGH FREQUENCY PLASMA ARC POWER SOURCES
CW AND PULSED LASER POWER SUPPLY
EMERGENCY XENON FLASH LAMPS POWER SUPPLY

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Plasma Arc and Flashlamp Power Supplies



	SIRIUS 200	SIRIUS 200	LYRA 501
Input voltage	12Vdc nom.	12/24Vdc nom.	230Vac nom.
Input volt. range	10.0 - 15Vdc	9.0 - 33Vdc	165-275Vac
Input power	22W max.	22W max.	600W max.
Input current	1.8A typ.	2.2A max.	10A max.
Inrush current	30A (peak)	30A (peak)	30A (peak)
Energy reserve	10ms	10ms	10ms
PFC	n/a	n/a	yes
Power factor	n/a	n/a	0.99
THD-input curr.	<5%	<5%	<5%
Efficiency	>90%	>90%	>90%
Output current	12A	12A	adjust.: 0-150A
Max. power - repetitive mode	20W	20W	500W
Max. single flash energy	12J/6J ^{*(1)}	12J/6J ^{*(1)}	300J ^{*(2)}
Max. flash period	2ms	2ms	100ms
Max. flash freq.	3Hz ^{*(3)}	3Hz ^{*(3)}	100Hz ^{*(2)}
Flash lamp voltage range	200-400Vdc	200-400Vdc	0-400Vdc
Simmer source	n/a	n/a	ref. manual
Igniter voltage (HF)	10kV	10kV	15kV ^{*(2)}
Switching freq.	200kHz	200kHz	200kHz
Insulation - I/C	n/a	n/a	2.1kV
Insulation - O/C	n/a	n/a	2.1kV
Insulation - I/O	n/a	n/a	4kV
Dimensions	φ46x50mm	φ46x50mm	320x165x390mm
Operating temp.	0-55°C	0-55°C	0-55°C
Processor ctrl.	No	No	Yes
Diagnostic	n/a	n/a	LCD 2x16char.
Parallel operation	Yes	Yes	n/a
Order code	U1X200A12-310-SRS	U1X200A12/24-310-SRS	U1X501A220-400-LYR

^{*(1)} Flash sequence: First flash 12J, second flash 6J
^{*(2)} Max. values given - refer to tables in the User's Manual
^{*(3)} Two flash sequences during 1.5s