



SPECTRUM

WELDING SUPPLIES

HIRE • SALES • REPAIR • SERVICES



LAF DC POWER SOURCE

⚡ 800amps

⚡ 415V

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Available on
our website





LAF 631, 1001, 1251 & 1601 DC POWER SOURCES FOR SAW AND GMAW

- Extended welding current by connecting two power sources in parallel for demanding applications
- Power source prepared for communication using most standard protocols like TCP/IP (LAN), CAN or even straight communication with a PLC
- Optional communication modules might be needed depending on the type of protocol used
- Ideal for SAW applications such as windtower components, nuclear power vessels, boilers, and shipbuilding applications
- Ideal for GMAW applications such as welding the root pass in heavy pipe production
- Three-phase, fan-cooled DC welding power sources for high productivity automated submerged arc welding (SAW) or gas metal arc welding (GMAW)
- Used with ESAB's A2-A6 equipment range and A2-A6 PEK or A2 PEI process controllers
- Good arc stability at both high and low arc voltages
- Adjust and monitor the welding parameters on the power source from the front panel of the PEK or PEI

	LAF 631	LAF 1001	LAF 1251	LAF 1601
Mains supply: 3 ph, 50 Hz, V 3 ph, 60 Hz, V	400/415 440	400/415/500 400/440/550	400/415/500 400/440/550	400/415/500 400/440/550
Current 100%, 50/60 Hz, A	52	64/64/52	99/99/80	136/136/108
Fuse, slow, 50/60 Hz, A	63	63	100/100/80	160/160/125
Maximum load at: 100% duty cycle, A/V 80% duty cycle, A/V 60% duty cycle, A/V	630/44 - 800/44	800/44 - 1000/44	1250/44 - -	1600/44 - -
Setting range, A/V: GMAW SAW	50/17-630/44 30/21-800/44	50/17-1000/45 40/22-1000/45	60/17-1250/44 40/22-1250/44	- 40/22-1600/46
Open circuit voltage, V	54	52	51	54
Open circuit power, W	150	145	220	220
Efficiency	0.84	0.84	0.87	0.86
Power factor	0.90	0.95	0.92	0.87
Enclosure class	IP23	IP23	IP23	IP23
Dimensions, LxWxH, in. (mm)	26x19x37 (670x490x930)	25x22x43 (646x552x1090)	30.5x23.5x56 (774x598x1428)	30.5x23.5x56 (774x598x1428)
Weight, lbs. (kg)	573 (260)	727.5 (330)	1080 (490)	1290 (585)
Application class	[S]	[S]	[S]	[S]

[S] - This symbol indicates that the welding power source may be used in areas with an increased electrical hazard, e.g. areas where the electrical hazard is increased due to the proximity to earthed metal objects and/or dampness.





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