

TAF 801 & 1251

Square Wave AC Power Sources for SAW



- Square wave AC power sources that convert the secondary voltage from a sinus wave via a thyristor-controlled rectifier bridge to a square wave arc voltage with excellent strike characteristics and welding properties
- Capacity for continuous welding
- Arc voltage pre-set
- Reliable square wave striking
- Arc voltage or current feedback
- Optimized open circuit voltage
- Compensation of mains supply fluctuation
- Voltage drop compensation for long welding cables
- High power factor ensuring low power consumption
- Safety control voltage, 42V
- Prepared for Scott connection of two power sources
- Used in combination with ESAB's A2-A6 equipment range and the A2-A6 PEK
- Power source prepared for communication using most standard protocols like TCP/IP (LAN), Anybus, Profibus, CAN or even straight communication with a PLC



Ordering Information

TAF 801	0460516880
TAF 1251	0460517880

Options & Accessories

Control cable, 49 ft. (15 m)	0460910881
Control cable, 82 ft. (25 m)	0460910882
Control cable, 115 ft. (35 m)	0460910883
Control cable, 164 ft. (50 m)	0460910884

Specifications

	TAF 801	TAF 1251
Mains supply: 1ph, 50Hz, V 1ph, 60Hz, V	400/415/500 400/440/550	400/415/500 400/440/550
Maximum load at: 100% duty cycle, A/V 60% duty cycle, A/V	800/44 1000/44	1250/44 1500/44
Setting range, A/V	300/28-800/44	400/28-1250/44
Open circuit voltage, V	71	72
Open circuit power, W	230	230
Efficiency	0.86	0.86
Power factor	0.75	0.76
Dimensions, LxWxH, in. (mm)	30.5x23.5x56 (774x598x1428)	30.5x23.5x56 (774x598x1428)
Weight, lbs. (kg)	1091 (495)	1340 (608)
Enclosure class	IP 23	IP 23
Application class	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.

ESAB Welding and Cutting Products

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