



AEON **HF**

ADVANCED HF INVERTER TECHNOLOGY. **PERFECTION IN EVERY WELD.**

AE

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Introducing the Most Advanced HF Inverter Technology — Only from Sunstone

The Aeon **HF** is a high frequency inverter spot welder that leverages the latest technology to produce an exceptional weld for many different applications. With the Aeon **HF**, Sunstone has re-invented high frequency welding technology, providing manufacturers with an ultra-modern **HF** welding solution backed by experienced customer service and a 2-year warranty. With one look, you can tell the Aeon **HF** is not your typical HF inverter welder.



The most advanced HF inverter technology with a sleek, digital interface.



The HF is a production-ready, closed-loop feedback welder.



“With one look, you can tell Sunstone has re-invented high frequency welding.”

- WELD TIMES UP TO THREE SECONDS
- HIGHER DUTY CYCLE THAN OTHER OPTIONS
- EXCEPTIONALLY CLEAN, SMOOTH WELDS
- 3-PHASE POWER INPUT
- ADJUSTABLE UPSLOPE AND DOWNSLOPE ENERGY CONTROL
- PRODUCTION-READY WITH CLOSED-LOOP FEEDBACK
- INDEPENDANTLY CONTROL 2 SEPERATE WELDING PULSES
- READY TO BE PAIRED WITH A SUNSTONE WELD HEAD
- EASY TO LEARN AND OPERATE
- BACKED BY A 2-YEAR WARRANTY

To learn more call or text **+1 801-658-0015**
or visit www.sunstonewelders.com





Sunstone Aeon Technical Specifications

Model Number	HF-2500/208	HF-2500/400	HF-2500/480
Nominal voltage range (3 phase)	208 VAC	400 VAC	480 VAC
Line voltage range (VAC)	192 to 220VAC	360 to 420	430 to 504
Output kW @ maximum demand	6.25kW		
Output transformer voltage @ max rated output current	2.5V		
Open circuit max. output voltage @ nominal line	10V		
Output Current	2500A @ 12% duty cycle		
Output feedback response time (current, voltage, power)	40µS		
Programmable weld pulse segments	Squeeze, pulse 1(P1) upslope, P1 weld, P1 downslope, cool, P2 upslope, P2 weld, P2 downslope, hold		
Weld schedule memory	Save thousands of weld schedules which can be locked and protected		
Control Modes & Measurement Parameters	Monitoring current, power, and resistance independently on each pulse. Also monitoring envelope, time limits and energy		
Graphic display	10" touch HD LCD displays all information pertinent for welding		
Current measurement range/accuracy	200A to 2500A, +/- 2A		
Voltage measurement range/accuracy	0.10V to 10.00V +/- 0.05V		
Power measurement range/accuracy	0.01kW to 6.25kW +/- 20W		
Alarms	Display alert, audio alarm, PLC Outputs for alarms		

I/O and Data Communications

Input Isolation	All inputs and outputs are fully isolated
Firing switch initiation	Multiple methods: Single or dual foot, mechanical, and/or optical firing switch
Remote control	Basic weld remote schedule select, advanced remote weld settings select, weld inhibit, emergency stop
Ethernet - Modbus	Change weld schedules, change individual weld parameters, receive detailed weld data
Electrode voltage	Weld voltage feedback operation
Weight & Dimensions	
Dimensions	12.5" x 19.5" x 15" (318mm x 496mm x 381mm) [W x L x H]
Weight	67lbs (31kg)

