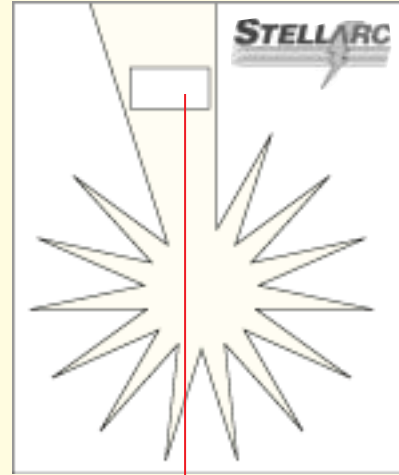


Specifications



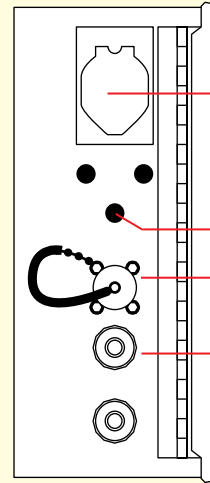
Voltmeter

Engine Speed Control

Adjustable delay: 2 to 60 seconds

Power Source

Voltage: 12 to 15 volts DC
Current: 7.5 amps



System Control Unit

Total Weight: 30 lb./13.6 kg

Utility Outlet

Voltage: 110 volts DC only
Current: 15 amps
Output: 2,500 watts

Fuses

Load control remote

Operating Range: 100 feet

Welding Outlet

Voltage: 22 volts DC
Current: 40 to 185 amps

SG 225 Control Box

Dimensions

Height: 13.5 in./343 mm
Length: 11.5 in./292 mm
Width: 5.5 in./140 mm
Weight: 19 lb./8.6 kg

SG 225 Alternator

Specifications

Alternator speed in welding mode:
6,000 rpm
Engine speed: 1,700 rpm
No-load voltage: 24 volts DC
Maximum output current: 225 amps
Production factor: 80% (185 amps)
Duty cycle: 100%

Features

Special heat-resistant bearings
(288°C)
Vibration-resistant stator
3.3 engine/alternator ratio

Dimensions

Height: 7.5 in./190 mm
Length: 9 in./228 mm
Width: 8 in./203 mm
Weight: 16 lb./7.2 kg

- Welds in the presence of magnetic fields
- Duty cycle up to 100%
- Ideal alternator for 12 to 110 volt, 60 cycle current converters
- Self-regulating
- One-year warranty

StellarArc "Smart Welding System" is distributed by:

Stellar Industries Inc.
P.O. Box 169
280 West 3rd Street
Garner, Iowa U.S.A. 50438
1-800-321-3741
Fax: (641) 923-4889
Web address: www.stellar-industries.com
E-mail: sales@stellar-industries.com

Authorized Distributor:

The Performance You Need...
Wherever You Need It!



A Revolution in Welding



With the Stellarc "Smart Welding System," you can perform fast, efficient and durable welding operations anywhere. In fact, as long as your truck can get where you need to go, you're site-ready for major projects.

A Superior Weld

The new technology used by the Stellarc "Smart Welding System" is unique in the welding industry. The machine operates at high frequency and the melt is stirred to prevent entrapment, making it easier to weld joints that will pass X-ray testing. The machine can weld aluminum rods, stainless steel and AC and DC electrodes up to 5/32 in. in diameter.

The Benefits of Automation

The Stellarc "Smart Welding System" offers a number of convenient, automated features you're sure to appreciate.

- System turns on with a single switch
- Engine speed increases automatically to meet demand
- Automatically switches from weld to charge mode to avoid battery drain
- Voltage adjusts to 110 DC only for use of electric tools
- Parameters can be programmed using software that also serves to identify short circuits on the board

Simple to Install, Easy to Use

The Stellarc "Smart Welding System" is very light and compact, and can be easily installed on virtually all North American and imported trucks and pickups. And it's maintenance-free!

Real Savings

The Stellarc "Smart Welding System" uses your vehicle engine as a power source. There's no additional motor to run, which means lower equipment, operating and maintenance costs.

A Multipurpose Power Source

The system can also be used as a 120 volt DC power source producing up to 2,500 watts. It can serve for a number of applications:

- High-performance battery charger. Charges from 1 to 4 batteries simultaneously (up to 48 volts) with automatic shutoff
- High-performance booster. Boosts up to 48 volts without any danger of battery damage, especially on machinery with more than one battery
- General power source. A direct current power source for tools such as grinders, saws, jackhammers, drills and heaters. Can also be used to power lighting systems and certain small household appliances
- Only tools with brushes, no variable speed equipment can be used

Powerful SG 225 Alternator

The welder is powered by a 225 amp alternator.

Convenient Control Unit

The control unit can be installed on virtually all trucks and pickups, both North American models and imports.

High-Performance Welding Mode

DC pulse of 3,000 to 7,000 cycles per second. 40 to 185 amp maximum in straight or reversed polarity direct current. Can weld AC and DC electrodes of 1/16 to 5/32 in. with a 100% duty cycle.

Operating Range of 100 Feet

The cables and remote load control make it possible to operate the unit up to 100 feet from a vehicle with no loss of current.

