



SSVA-mini-P "Samurai"

Multifunctional current source
inverter

Made in Ukraine

SSVA-mini-P "Samurai" — is a inverter-type current source manufactured by Ukrainian the MAXIMA PLUS company specializing in the development of electronic devices.

SSVA-mini-P "Samurai" is designed specifically for use in household purposes and for repair works at vehicle service stations.

SSVA-mini-P "Samurai" is for use with wire of 0.6—0.8 mm diameter at MIG/MAG mode and with electrodes up to 3.2 mm diameter. It is possible to perform occasional work with an electrode of 4 mm diameter with a current to 160 A.

SSVA-mini "Samurai" can be:

- ❖ a direct current (DC) source for gas-shielded arc welding with mechanized feeding of welding wire of 0.6—0.8 mm (MIG/MAG);
- ❖ a DC source for high-quality manual metal arc welding (MMA);
- ❖ 12 V car battery charger/starter;
- ❖ a DC source as a piece of equipment for tungsten inert gas arc welding with contacting arc ignition (TIG) (*option*).

!!! Important note !!! Be sure to consult a seller or the manufacturer's service center if you plan to use a machine at TIG mode!

Distinctive features and advantages:

- high power with small dimensions and weight;
- exceptional energy-saving parameters;
- stable welding parameters to any values of a welding current;
- stable arc, independent of voltage fluctuations in electrical grid (165—275 V);
- input voltage control system helps protect a machine from voltage surges up to 300 V;
- function "Anti-Stick" (automatic reduction of welding current at a electrode sticking);
- high workability, reliability and maintainability;
- possibility of expanding functionality, improving consumer properties by updating a firmware (a software of a microcontroller).

Technical specifications

Nominal voltage, V	220	
Operating voltage range, V	165—275	Or a equivalent resistance of a electric grid is not more than 3 Ω
Operating ambient temperature range, °C	-30...+45	There are no fundamental limitations for operation at lower t°
Consumed power (household electric grid 220 B, 16 A), kW, not over	2.7 (12 A)	At output direct current to 110 A
Consumed power (household electric grid 220 B, 16 A), kW, not over	3.2 (16 A)	At output direct current to 130 A
Consumed power (industrial electric grid 220 B, 25 A), kW, not over	5.5 (25 A)	At output direct current to 160 A
No-load power, W, not over	35	
Output amperage adjustable range, A	5—160	
Rated duty cycle, %, not less	up to 130 A — 100 160 A — 45	
Overall efficiency, %, not less	87	
Electrode diameter, mm	1.6—4.0	
Wire diameter, mm	0.6—0.8	
Output voltage adjustable range, MIG/MAG mode, V	10.0—24.0	
Insulation resistance at voltage of 2.5 kV, MΩ, not less	50	Standard — 300
Dimensions (Length × Width × Height), mm	440 × 215 × 270	With handle
Weight, kg, not over	10	Without welding cables and torch

Note:

We reserve the right to change technical specifications in order to improve reliability, improve consumer properties and add new functionality.

Package contents

- SSVA-mini-P "Samurai" current source inverter — 1 pce
- Welding torch MB ERGO 15 AK 160 A ABICOR BINZEL — 1 set
- 2 m welding cable KG 1 × 10 with MK 150 ABICOR BINZEL ground clamp — 1 set
- 3 m welding cable KG 1 × 10 with DE 2200 ABICOR BINZEL electrode holder — 1 set
- Operation manual — 1 pce

Pay attention to

- Microprocessor controlled arc parameters
- Feature-rich
- Accessories of ABICOR BINZEL
- Reliable metal housing
- Warranty — 2 years

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