

IGBT MODULE INVERTER SUBMERGED ARC WELDING MACHINE



Features

- ◆ IGBT base CC-CV inverter DC submerged arc welder, MMA and Gouging.
- ◆ High efficiency and high power factor resulting in substantial energy saving over conventional SAW outfits.
- ◆ Continuous adjusting of welding current, arc starting current and thrust current.
- ◆ 100% duty cycle and continuous welding.
- ◆ Temperature protection and jack screw protection.
- ◆ 92% full load efficiency.
- ◆ Over heating, over voltage and over current protection.
- ◆ SAW welding can be done in either CV or CC mode.
- ◆ In the constant current mode of SAW welding, advanced adaptive control technology is utilized to obtain the most stable arc parameters, highest level of penetration, and excellent weld bead finish.

Main Technical Parameters :

YUVA-SW1250PR

SPECIAL FEATURE	WITH ALL ACCESSORIES
Rated input voltage (V)	3P 415VAC $\pm$ 10%
Rated input current (A)	83
Rated input capacity (KVA)	60
Open circuit voltage (V)	75 $\pm$ 5%
Duty cycle (%)	100%
Welding current range (A)	60-1250
Welding voltage range (V)	20-50
Power factor	>0.93
Electrode /wire dia	2mm-6mm
Protection class	IP23
Insulation class	H
Dimension (mm)	775X550X810
Weight (kg)	110

Technical Parameter of Tractor:

- ◆ Rated moving voltage DC110V, rated moving current 0.4A
- ◆ Rated wire feeding voltage DC110V, rated wire feeding current 1A
- ◆ Welding speed 0.2-1.5m/min
- ◆ Wire feeding speed 0.30-3.0 m/min
- ◆ Wire diameter ϕ 2.0 ~ ϕ 6mm

SAW Process recommended current range				
Wire dia,mm	Amp, min	Kg/hr	Amp,max	Kg/hr
1.6 mm	200	2.7	500	9.0
2.0 mm	300	3.8	600	10.3
2.5 mm	300	3.5	600	9.5
3.2 mm	300	3.4	800	11.4
4.0 mm	400	4.6	800	10.6
5.0 mm	500	5.7	1150	18.8
6.0 mm	500	5.6	1250	21.8

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