

# Sohal<sup>®</sup>



## SINGLE PHASE Inverter Welding Machine



**Power Saving Inverter Welding Model : SPDR300  
DURABLE DESIGN WITH 3-LEVEL PROTECTION OF IGBT'S**

- Inverter welding machines gained popularity due to their power saving nature, better power factor, good arc, low spatter and better constant current features over all previous techniques.
- The SPDR series inverter welding machines are fully digital controlled & managed machines based on fast switching IGBT<sup>(1)</sup> Devices. Suitable for all type of Electrods Basic, Rutile and Cellulose. The digital display in front of machine helps better and easy setting of welding current by knob. The Display also shows other protection messages of machine.
- These machines are designed and developed in our company. We test all machines individually for duty cycle and performance. These machines are suitable for work on Gen-sets. These new technology machines have good output characteristics, stable arc from small current to rated current for welding of various thicknesses of jobs, *Can Weld 18 SWG Sheets by 2mm Electrode.*

#### FEATURES:

- Power saving high efficiency
- Direct Current (DC) Output
- Based on Digital Inverter Technology
- Reliable IGBT Powered
- Spatter free smooth arc
- Constant current during near and far welding
- Compensation of supply volts
- Gen-set Compatible
- Light Weight
- Heavy duty for continuous work
- Wide supply voltage range

#### Technical Specifications:

ITEM	UNIT	SPDR250	SPDR300
Supply	Volt	220	220
Phase	No.	1	1
Frequency	Hz	50/60	50/60
Load	KVA	8	10
Power Factor	CosØ	.99	.99
Insulation	Class	F	F
No-load Volt	Volt	68	70
Min. Current	Ampere	20	20
Max. Current	Ampere	250	300
Duty	%	60	60
Control	Type	DIGITAL	DIGITAL
IP	Class	21	21
Weight	Kg	32	36
Dimention	LxWxH(cm)	56x33x53	56x33x53

\* In view of continuous development, design and specifications can be changed without prior notice

#### ACCESSORIES: Optional

- Application: Applicable in good welding of Mild Steel, Stainless Steel, Alloy Steel, Cast Iron, Brass, Aluminium and Nickel.

1) IGBT's are advance version of mosfet's

# SOHAL ELECTRIC WORKS

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