

# WIZARD STUD SERIES



## Application :

- Heat Exchangers
- Sheet Metal Fabrication
- Medical/Electrical Equipments
- Electrical Appliances

## Processes:

- Capacitor Discharge Stud Welding

## Features :

- Current limiting charging technology reducing the impact on input power network.
- Stable charging voltage with good uniformity of storage energy.
- Low power, Less weld time, Less Distortion-Suitable for Welding on thin plates
- Welding Speed of 40 pcs per minutes (Base on Dia of Stud)



## Technical Data :

Input Voltage	Input Power	Output Voltage	Capacitance	Welding Time	Weight
230 VAC $\pm 15\%$	500 w	35-200 VDC	108000 F	0.001 -0.0035 sec.	18 Kg.

## SPECIFICATIONS

- High stability, light weight, small size, with casters for easy movement.
- Wide current adjustable range, stable arc, sufficient power.
- Clear and intuitive digital display of welding current and welding time.
- Complete protection circuit.
- Three proof design for key parts, stable and reliable operation.

Model	STUD 1600	STUD 2500	STUD 3150
Input Power Source	3P-415 $\pm 15\%$	3P-415 $\pm 15\%$	3P-415 $\pm 15\%$
Rated Input Capacity	97 KVA	121 KVA	153 KVA
Rated Input Current	147A	185A	214A
No Load Voltage	90V	108V	108V
Maximum Length of Ground Cable	30M	30M	30M
Duty Cycle	15%	15%	15%
Current Adjustment Range	300-1600A	300-2000A	300-3150A
Weldable Stud Diameter	6-19MM	10-25MM	16-32MM
Welding Time	0.3-3	0.3-3	0.3-3
Efficiency	$\leq 400$	$\leq 400$	$\leq 400$
Insulation Class	90%	90%	90%
Dimensions	IP21S	IP21S	IP21S
Weight	690 x 390 x 760 mm 75 KG	680 x 355 x 960 mm 105 KG	750 x 445 x 1040 mm 105 KG

## FEATURES

New Design, Smart Appearance  
Compact Size, Lightweight and Power Saving

Strong Current Output, Superior Arc Performance  
Quality Weld with Precise Control