

IGBT Inverter Stud Welders

I. Features

- Soft switch technology, high efficiency, low power consumption
- Support stud welding and manual welding
- Automatic protection from over current, overheat, over/under voltage, and phase lacking
- Strong penetration capability of arc and deeper fusion penetration
- Step less adjustment of welding current and welding time
- Suitable for all kinds of studs
- A voltage fluctuation of $\pm 20\%$ is allowable



TECHNICAL DATA

Model Name		RSN-2500	RSN-3150	
Power source	3×415V 50Hz (+ - 20%)			
Rated input power		111KVA	140KVA	
Rated input current		169A	213A	
Duty cycle		13%	13%	
O.C.V		70-80V	70-80V	
Welding current		200-2500A	200-3150A	
STUD DIA		25MM MAX	32MM MAX	
Matching current	I \geq 80×D (D:diameter of stud mm, I:actual welding current, Stud diameter \leq 16mm)			
	I \geq 90×D(D:diameter of stud mm, I:actual welding current, Stud diameter $>$ 16mm)			
Proportion between stud diameter and workpiece thickness	Work piece thickness: stud diameter \geq 1:3			
Air switch	100A	160A	160A	225A
Input cable (mm ²)	3×10+1×6	3×16	3×16	3×16
Insulation grade	F			
Raising method	Lift			
Protection class	IP21			

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