

# EN SERIES

## Full Digital AC/DC Inverter TIG/MMA Welding Machine With Pulse

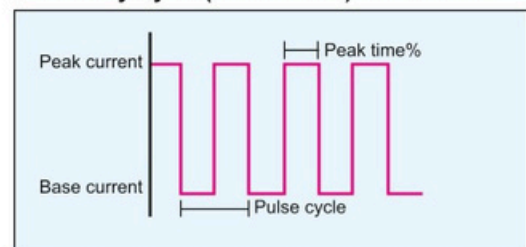
### Features

- ◆ Perfect welds with Up slope, Down slope and Pulsing feature.
- ◆ High efficiency upto 40% power saving than conventional machines.
- ◆ Over heating, over voltage protection.
- ◆ IGBT module inverter technology and digital control system are adopted to ensure accurate and reliable control.
- ◆ One machine has multiple functions, including DC pulse TIG welding, DC TIG welding, AC pulse TIG welding, AC TIG welding, and Manual Arc welding and so on.
- ◆ The front panel has the functions of slow current rise, slow current drop, pulse frequency, early gas supply and delayed gas cut-off, especially suitable for automatic welding.
- ◆ Wide range of Welding Materials, suitable for the welding of Low Carbon Steel, Stainless Steel, Alloy Steel, Copper, Brass, Aluminum, Aluminum Magnesium Alloy and other Materials.

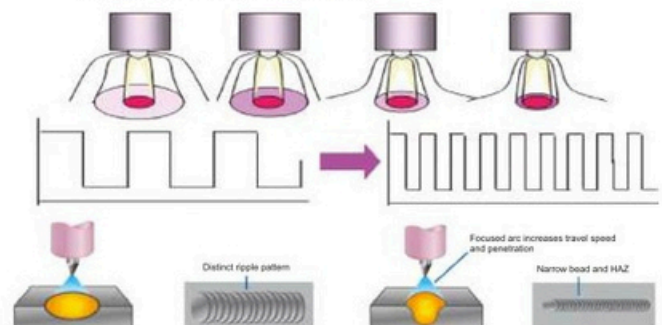


Main Technical Parameter	YTIGACDC-315EN	
	TIG	MMA
Input power voltage (V)	AC415V±10%	
Frequency (Hz)	50/60	
Rated input power capacity (KVA)	8.2	11.8
Rated input current (A)	15	22
No-load voltage (V)	55	
VRD (V)	-	24V
Rated output current (A)	315	
Duty cycle (%)	60%315A	
	100%244A	
Rated output current (A)	5-315	
Voltage adjust range (V)	10.2-22.6	20.6~32.6
Pulse frequency range (Hz)	1~50HZ	-
Pulse duty ratio(%)	20-80%	-
Pre-flow (s)	0-2S	-
Post flow (s)	1-9S	-
Clean duty ratio (%)	20-80%	-
Insulation class	H	
Efficiency (%)	85%	
Case protection class	IP23	
Dimension (L*W*H) (mm)	600X320X580	
Weight (KG)	35	

Pulse Duty Cycle (Peak time %) : 20% to 80%



Pulse Control : 1.0 to 50 Hz



- ◆ 1.0 to 10 Hz pulse will produce a distinct pattern in the weld bead
- ◆ Can be used to time filler addition, reduce distortion and improve control.
- ◆ Higher pulse helps to focus the arc for increased stability, penetration and travel speed
- ◆ Increased puddle agitation improves weld microstructure