

**ARC WATER PROOF Series (IGBT) Inverter DC MMA Welder**

**ES 451**



MANUFACTURER / IMPORTER IN INDIA

SALES:- SALES@VIRGOPLUS.IN  
SERVICES:- SUPPORT@VIRGOPLUS.IN

**VIRGO SOLUTIONS INDIA LLP**

AHMEDABAD, AURANGABAD, BHUBANESWAR, DELHI, GUWAHATI, HYDERABAD,  
INDORE, JAIPUR, KOLKATA, LUCKNOW, LUDHIANA, MUMBAI, NAGPUR, PUNE, RAIPUR, VARANASI

**Product description:**

- SMT surface mount design on PCB'S, with advanced craft with good protection of under voltage, over voltage and over. current, Its make the machine safe and reliable.
- Self - adaptive power switch, wide range from 280Volt to 560Volt in three phase.
- CC feature, With stable arc.
- Modular functional unit, which highly enhance machine reliability.
- Original imported IGBT, with high stability.
- With advanced high efficiency inverter technique 30KHz, high working frequency, energy saving and environmental protection.
- Welding cable can be lengthened to 100 meters, and welding performance is stable.
- Effectively solved the problem of unstable power supply by using generator during outdoor work.
- Suitable for using acid electrode, basic electrode and high strength electrode, etc.
- Smart cooling fan, with better performance.
- Separated arc force knob, easily adjusting.
- Built-in VRD protection, meet Ce requirement.
- With tri-proof design, it ensures working stable and reliable when in kind of adverse circumstance.

**Main technical parameters:**

	ES 451
Phase	3PH
Standard input voltage	AC415V*3P±10%
Input voltage range	280-560V
Frequency	50/60Hz
Rated input capacity	15 KVA
Rated input current	27 A
Output voltage	75 V
No-load output	13.5
Duty cycle	60% 320A 100% 248A
Current Adjusting range	20-450A
Voltage Adjusting range	20.8-32.8 V
Efficiency	85%
Insulation class	F
Shell protection class	IP21
Dimensions (mm)	495X225X395
Net weight (kg)	16
Suitable electrode size	1.6/2.5/3. 15/4.0