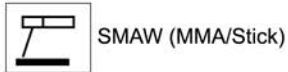




INPUT OUTPUT

WELDING PROCESS



SMAW (MMA/Stick)



GMAW (MIG/MAG/CO₂)
FCAW-GS



GTAW (TIG)
(Scratch-start)



Gouging



FCAW-SS

MODEL	WE301UNI	WE402UNI	WE502UNI
Input Supply	415 V ± 10%, 3-ph, 50 / 60 Hz (Standard) 460 V + 5% / - 10%, 3-ph, 50 / 60 Hz (Optional)		
Rated Input Power	12.2 kVA	18 kVA	25.1 kVA
Idling Input Current	0.2 A (Max.)		
Output OCV (CC)	60 V dc (Max.) *		
Output Current Range (CC)	10 – 300 A	10 – 400 A	10 – 500 A
Output OCV Range (CV)	0 – 35 V *	0 – 41 V *	0 – 48 V *
Rated Output @ 70% Duty Cycle	300 A / 32 V	400 A / 36 V	500 A / 40 V
Rated Output @ 100% Duty Cycle	250 A / 30 V	330 A / 33.2 V	420 A / 36.8 V
Dimensions (W x H x D)	(260 x 380 x 490) mm	(260 x 380 x 490) mm	(270 x 440 x 490) mm
Weight	38.7 kg	39 kg	44.2 kg

* Reduced Open Circuit Voltage (VRD) available on request

WELDING FEATURES

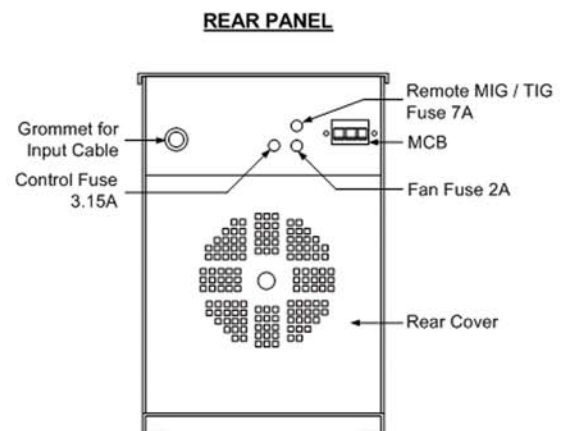
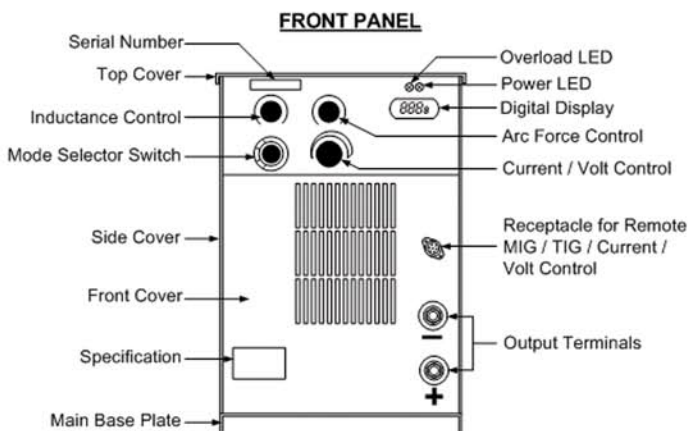
- **Multiple** process selection by single selector switch: **MMA**, **TIG** (scratch-start), **MIG** and **CV** (for arc sensing wire feeders).
- **Arc-force** control (MMA) for anti-stick of electrodes and dynamic control of low Hydrogen and Cellulose electrodes.
- Built in **hot-start** (MMA) for better arc-striking.
- **Voltage** control automatically brought to wire feeder (MIG).
- Adjustable electronic **inductance** control (MIG) for smooth and spatterless welding.
- Compatible with remote **HF TIG** control unit (WERT301).

GENERAL FEATURES

- **Inverter** technology.
- **Heavy-duty, Rugged** and **Light-weight**.
- **Welder** friendly controls.
- **Energy** efficient & **Generator** friendly - Low kVA demand.
- **Maintenance** and Service friendly.
- **Digital display**-current / voltage.
- Ideal for **harshest** environment and meets the requirement of quality welding in shipyards, pipelines, constructions, petrochemical plants, offshore works and workshops.

SAFETY FEATURES

- **MCB & Fuses** for fault protection.
- Under voltage, thermal overload & current limit protection.



STANDARD

COMMON

1

Earth Clamp Assembly (3 m)
(MMA / MIG / SCRATCH TIG)

MMA

2

Electrode Holder Assembly (3 m)

MIG (CO₂)

3

WE4R2 Wire Feeder

5

MIG Torch (3 m)

4

MIG Interconnection Cable Assembly (8 m)

6

Gas Regulator CO₂

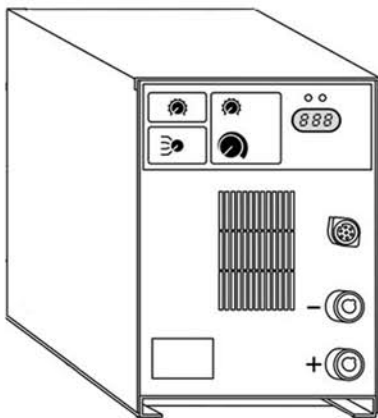
SCRATCH TIG

7

TIG Torch Assembly with Valve (25 ft)

8

Gas Regulator Argon



WE502UNI / WE402UNI / WE301UNI

COMMON

1

MMA

2

MIG

3, 4, 5, 6

SCRATCH TIG

7, 8

OPTIONALS

WER101 Remote Current / Volt Control Unit (with 10 m cable)

Running gear Assembly

WE2R2 (OCV Driven Wire feeder-Innershield)

WERT301 HF TIG Control Unit

Gouging Torch (7 ft)