

# shindaiwa®

# RealDual® 500



## Field of Application

- ★ Construction
- ★ Civil Engineering
- ★ Rental
- ★ Fabrication
- ★ Mining
- ★ Pipeline
- ★ Offshore
- ★ Rail Road
- ★ Service Truck
- ★ Maintenance
- ★ Repair
- ★ Farming

★ Excellent ★ Good

## Welding Process

- CC Mode
- ★ Standard Rod
- ★ Cellulose Rod
- ★ Scratch TIG
- Gouging up to 9.5mm
- CV Mode
- ★ Wire

★ Excellent ★ Good • Standard

## Specification

### Welding DC Generator

		Single	Dual
CC Mode	Rated Current (A)	480	230
	Rated Voltage (V)	39.2	29.2
	Duty Cycle (%)	60	80
	Current Adj. Range (A)	60-500	30-280
	Welding Rod Capacity (mm)	Φ2.6 - Φ8.0	Φ2.0 - Φ6.0
	Gouging Rod Capacity (mm)	Φ3.2 - Φ9.5	Φ3.2 - Φ5.0
CV Mode	Rated Current (A)	480	230
	Rated Voltage (V)	39.0	22.5
	Duty Cycle (%)	60	80
	Voltage Adj. Range (V)	14 - 40	14 - 29
	Welding Wire Capacity (mm)	Φ0.6 - Φ2.4	Φ0.6 - Φ2.0
No Load Voltage (V)		MAX85	

### AC Generator

		Single	Dual
Rated Frequency (Hz)		50	
Rated Speed (min <sup>-1</sup> )		3000	
Phase Options		Single Phase	
Rated Voltage (V)	110	240	
Rated Current (A)	15A x 2	15A x 2	
Power Factor	1.0		
Rated Output (kVA)	3.3	7.2	
Rating	Continuous		

### Dimensions

Overall Dimensions (mm)	(L)1680 x (W)700 x (H)950
Dry Weight (kg)	613

## Engine

Powered by



Model	Kubota V1505
Engine Type	Vertical, Water-cooled, 4 cycle diesel
Displacement (L)	1.498

Rated Output (kW/min <sup>-1</sup> )	29.0 / 3600
Fuel Tank Capacity (L)	63

## Definition of the icons



REALDUAL Welding Mode



2 connection of welding remote control



Max open circuit voltage



CC/CV Welding mode



Voltage regulation device



Stop engine immediately



Preset welding current

DGW500DM-S2V

Control Panel



AC OUTPUT PANEL



- 1. AC Meter
- 2. DC Meter
- 3. Output Control Dial
- 4. Emergency Stop Switch
- 5. Single/Dual Selector
- 6. CC/CV Selector Switch
- 7. Arc Control Dial
- 8. Rod Selector Switch
- 9. Hour Meter
- 10. Monitor Lamp
- 11. VRD Switch
- 12. Idle Control Switch
- 13. Starter Switch
- 14. Fuel Meter
- 15. Weld Terminal Switch
- 16. Wire Feeder Voltmeter Selector

- 17. 42V/115V Selector
- 18. Circuit Protector for Wire Feeder
- 19. Remote Control Receptacle
- 20. 14-Pin Connector
- 21. Weld Terminals A
- 22. Weld Terminals B
- 23. 3-P Receptacle
- 24. 1-P 110V Receptacle
- 25. 1-P 240V Breaker
- 26. 1-P 110V Breaker
- 27. Earth Leakage Circuit Breaker(ELCB)
- 28. Bonnet Grounding Terminal

Features

RealDual® DUAL WELDING MODE



Shindaiwa's alternator is unique in coil winding. Welding power A, B, and AC generator are respectively driven by each coil winding. This feature ensures that each welding outputs has least electrical interference.

EMERGENCY STOP



You can stop the engine immediately in emergency conditions to avert hazardous situations.

110&240 VOLTAGE OUTPUT



The equipment provides not only 240V but also 110V. As 110V receptacle is an especial requirement to undertake constructions taking place under the ground, the equipment can be a versatile solution in any work-sites.

VRD



VRD, or Voltage Reduction Device reduces no-load voltage when the equipment does not perform welding to minimize electrical shock hazard.

14-PIN CONNECTORS



The equipment has two 14-pin connectors. You can connect the wire feeders without any attachments.

ROBUST ALTERNATOR



Special varnished reliable Shindaiwa's alternator, offers robust features of protection against sand gravel, dust, and extreme hot weather condition.