

# shindaiwa®

# RealDual® 400



## Field of Application

★ Excellent ★ Good

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

## Welding Process

★ Excellent ★ Good • Standard

- CC Mode
- ★ Standard Rod
- ★ Cellulose Rod
- ★ Scratch TIG
- Gouging up to 8.0mm
- CV Mode
- ★ Flux-cored Wire

## Specification

### Welding DC Generator

CC Droop	Single	Dual
Rated Current	370/390A	180/200A
Rated Voltage	34.8/35.5V	27.2/28.0V
Duty Cycle	60%	100%
Current Adj. Range	95-390 / 110-400A	50-200 / 60-210A
Welding Rod Capacity	Φ2.6-8.0mm	Φ2.0-4.0mm
Gouging Rod	Φ3.2-8.0mm	Φ3.2-5.0mm

### AC Generator

Rated Frequency	50/60Hz
Rated Output	3.3 -3.5kVA      6.9 / 7.2kVA
Rated Voltage <small>Single Phase</small>	110 / 115V      230 / 240V
Power Factor	1.0

### Dimensions

Overall Dimensions (mm)	(L)1435 x (W)700 x (H)848
Dry Weight (kg)	453

CV	Single	Dual
Rated Current	330 / 340A	180 / 200A
Rated Voltage	31.5 / 32.0V	20.0 / 21.0V
Duty Cycle	100%	100%
Current Adj. Range	14-34.5 / 14.5-35A	14-21.0 / 14.5-23.5A
Wire Size	0.6-2.0mm	0.6-1.6mm

### Noise Level

Lowest @7m/idle	64/65 dB(A)
No Load Voltage (OCV)	MAX85V

## Engine



Model	Kubota D902	Rated Output (kW/min-1)	15.0 / 3,000      17.6 / 3,600
Engine Type	Vertical, Water-cooled, 4 cycle diesel	Fuel Tank Capacity	37 L
Displacement	0.898 L		

## Definition of the icons



REALDUAL Welding Mode



CC/CV Welding Mode



Max open circuit voltage



Containment to prevent leakage of fuel and oil



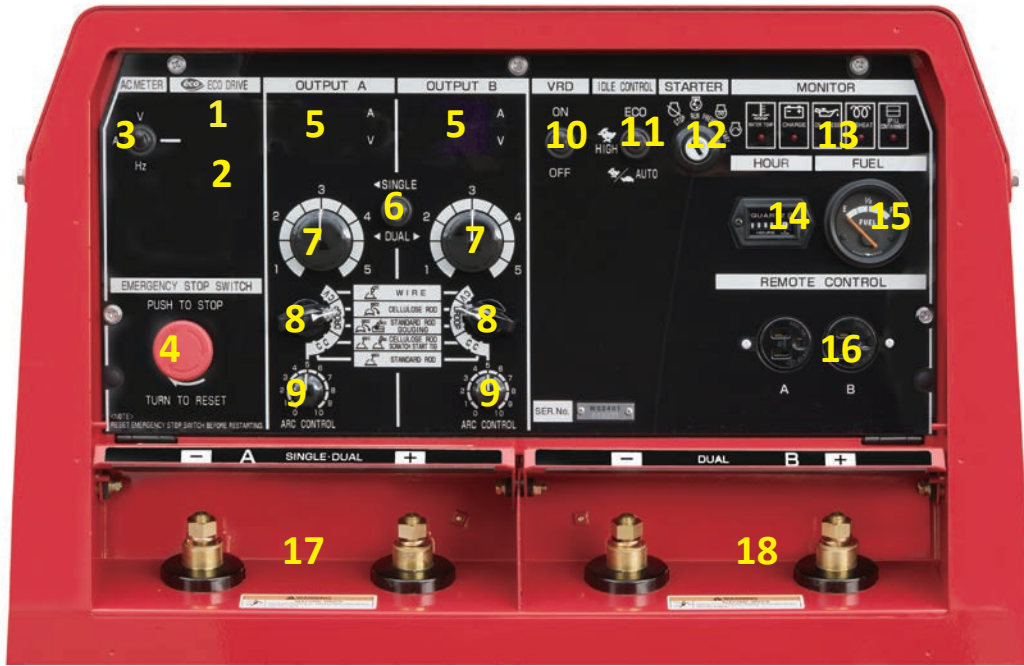
Voltage regulation device



CC/CV/Droop Welding mode selector

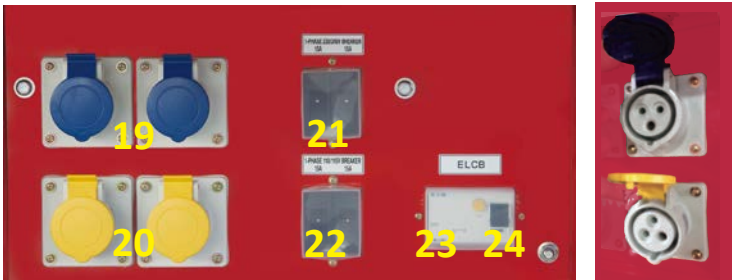
# DGW400DMK-S2V

## Control Panel



1. ECO Mode Display
2. AC Meter
3. AC Meter Selector
4. Emergency Stop Switch
5. DC Welding Current Meter
6. Single/Dual Selector Switch
7. Output Control Dial
8. Weld Mode Selector
9. Arc Force Adjusting Dial
10. VRD Switch
11. Idle Control Switch
12. Starter Switch Key
13. Warning Monitor Lamp
14. Hour Meter
15. Fuel Meter
16. Remote Control Receptacles
17. Welding Terminal A
18. Welding Terminal B

## AC OUTPUT PANEL



19. 1-Phase 230/240V Receptacle (IP44)
20. 1-Phase 110/115V Receptacle (IP44)
21. 1-Phase 230/240 V Breaker
22. 1-P 110V/115V Breaker
23. Earth Leakage Circuit Breaker (ELCB)
24. Bonnet Grounding Terminal

## Product Features

### SPILL CONTAINMENT/RAIN WATER PROTECTION

Our design is more responsive to protect nature. New features are incorporated to follow environmental regulations.

- A factory-equipped spill containment, keeps fuel, oil, and coolant inside to avoid discharging to the ground.
- An unique ventilation hole will guide trapped rain water outside the spill containment and drain it separately.



### ROBUST ALTERNATOR



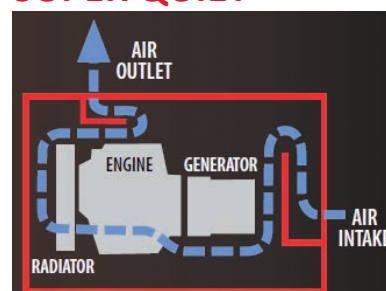
Special varnished reliable Shindaiwa's alternator, offers robust features of protection against sand gravel, dust, and extreme hot weather condition.

### ECO MODE



The engine speed optimization function enables the engine to operate at an optimal speed corresponding to the weld output, thereby reducing noise, exhaust gas emission, and saving fuel consumption.

### SUPER QUIET



Thanks to skillfully designed airflow, the equipment achieves Super Quiet operation. This means that the working unit does not interrupt conversation between operators.

### RealDual® 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 no electrical interference.