

Diesel Engine Generator & Welder

shindaiwa®



DGW500DM-SI



SPECIFICATIONS

(50 / 60Hz)

Model		DGW500DM-S1	
Generating Method		Rotating Field	
Welding Generator	Operation	Single	Dual
	Rated Current (A)	480	230
	Rated Voltage (V)	39.2	29.2
	Duty Cycle (%)	60	80
	Current Adj. Range (A)	60 - 500 / 65 - 500	30 - 280 / 35 - 280
	Welding Rod (Φ)	2.6 - 8.0	2.0 - 6.0
	Gouging Rod (Φ)	3.2 - 9.5	3.2 - 5.0
	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 (Φ)	0.6 - 2.4	0.6 - 2.0
	Rated Speed (min ⁻¹)	3600	
	No Load Voltage (V)	MAX 85	
AC Generator	Rated Frequency (Hz)	50 / 60	
	Rated Speed (min ⁻¹)	3000 / 3600	
	Phase	1 Phase	
	Rated Voltage (V)	110 / 115	220 / 230
	Rated Current (A)	15Ax2	15Ax2
	Power Factor	1.0	
	Rated Output (kVA)	3.3 / 3.5	6.6 / 6.9
Rating		Continuous	

Powered by

Kubota

(50 / 60Hz)

Model		DGW500DM-S1	
Engine	Model	Kubota V1505	
	Type	Vertical, Water-Cooled 4-Cycle Diesel Engine	
	Displacement (L)	1.498	
	Rated Output (kW/min ⁻¹)	24.5 / 3000	29.0 / 3600
	Fuel	ASTM No.2 Diesel Fuel or Equivalent	
	Lubricant Oil	API Class CF or better (CJ excluded)	
	Lubrication Oil Volume (L)	6.0 (Effective 2.0)	
	Cooling Water Volume (L)	5.6 (Sub Tank Capacity 0.8 L included)	
	Starting Method	Starter Motor	
	Fuel Consumption(L/h@60%)	5.2@480A	
Dimension	Sound Level(dB(A)) @7m distance under no load	57	
	Battery	75D31R (Japanese Industrial Standard)	
	Fuel Tank Capacity (L)	63	
	Length (mm)	1680	
	Width (mm)	700	
Dimension	Height (mm)	950	
	Dry Weight (kg)	613	

Power Weld Trading Co., Ltd.

Address: 2nd Industrial City, 67 Makkah Street, Cross 150 Street.

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CONTROL PANEL



1. AC Meter
2. DC Meter
3. Output Control Dial
4. Single/Dual Selector Switch
5. CV/CC Selector Switch
6. Arc Control Dial
7. Rod Selector Switch
8. Emergency Stop Switch
9. Hour Meter
10. Monitor Lamp
11. Idle Control Switch
12. Starter Switch
13. Fuel Meter
14. Weld Terminals Switch
15. Wire Feeder Voltmeter Switch
16. 42V/115V Selector Switch
17. Circuit Protector for Wire Feeder
18. Remote Control Receptacle
19. 14-Pin Connector
20. Welding Terminal A
21. Welding Terminal B

AC Output Panel



22. 1-P 220/230V Receptacle (IP44)
23. 1-P 220/230V Breaker
24. 1-P 110/115V Receptacle (IP44)
25. 1-P 110/115V Breaker
26. Earth Leakage Circuit Breaker (ELCB)
27. Bonnet Grounding Terminal

FEATURES

Real dual system **RealDual**®

Utilizes a single engine to offer two welding arcs. Reduces purchasing costs and contributes significantly to work efficiency.

Thyristor control

Excellent arc control and response time. High durability and stable high quality welding.

Low noise

Minimal operating noise with a top-class low noise level. Ideal for communication and reducing worker fatigue at worksites.

Robust Alternator

In-house designed and manufactured brushless alternator ensures reliable performance, even in sandy, dusty, and extreme heat condition.

Reliable engine **Kubota**

Kubota V1505 one of the most hardworking, efficient and cleanest running diesel engines on the market.

Variety of applications

Offers CC, CV and Gouging for efficient, high-quality welding and productivity.

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Specifications and information are subject to change without prior notice.