

Power Source Technology for the future. **Denyo**[®]



DIESEL ENGINE-DRIVEN DC WELDER/AC GENERATOR

DCW-480ESW CC/ICV

**One Unit for
All Your Welding Needs!**

All-in-one

450A DC Arc Welding Power Source

DCW-480ESW can perform high-quality welding on pipelines and other welding methods. (Types of welding: Stick, Tig, Mig, Flux-cored, Gouging, etc.)

High-Capacity High-Performance Generator

The unit can also be used as a 15kVA/50Hz high-capacity generator. With a voltage regulation of within $\pm 1.5\%$. High-quality AC power can be used while welding is being performed.

Low Fuel Consumption and Long Life

The unit incorporate high-output diesel engine featuring low fuel consumption. Operation at low speed is easy on the engine, facilitating especially long life.

Special Design Facilitates Use in Virtually Any Location

The unit has been designed to operate in virtually all locations, from very hot to cold climates. It is ideal for high-quality welding and as a dependable source of power.

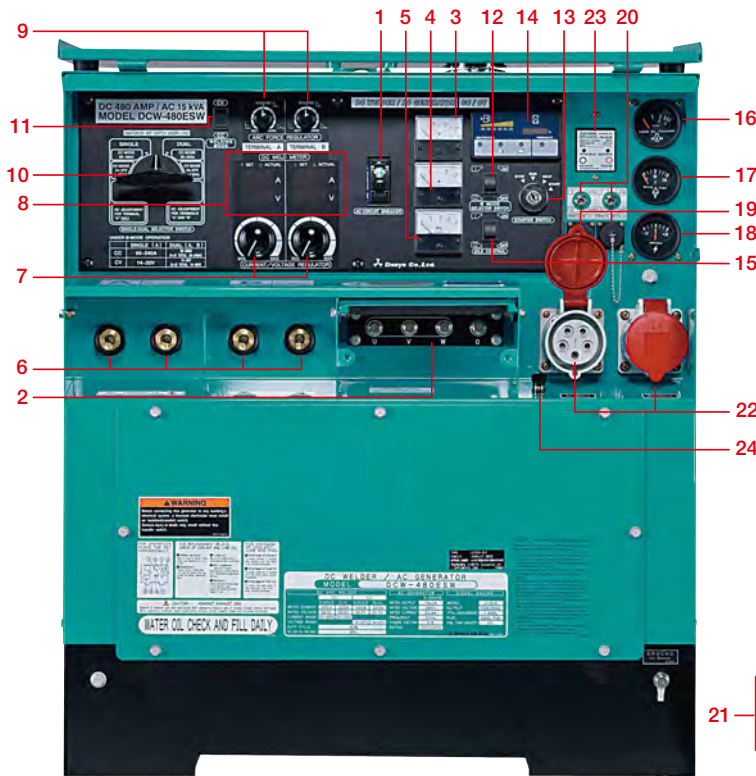


Denyo Co., Ltd.

HIGH PERFORMANCE/Multi-APPLICATION

DCW-480ESW CC/CV DIESEL ENGINE-DRIVEN DC WELDER/AC GENERATOR

Easy-to-use controls and operation integrated in one location.



- 1.AC Circuit Breaker
- 2.3-Phase output Terminal
- 3.AC Voltmeter
- 4.AC Ammeter
- 5.Frequency Meter
- 6.DC Welding Output Terminal
- 7.Current / Voltage Regulator
- 8.Digital Panel (DC Voltmeter, DC Ammeter)
- 9.Arc Force Regulator
- 10.SINGLE-DUAL Selector Switch
- 11.CC-CV Selector Switch
- 12.e-mode Switch
- 13.Starter Switch
- 14.Engine Monitor Warning Lamp Unit (Oil Press. / Water Temp. / Charging / Preheat Hour Meter • Fuel Meter)
- 15.Idle Control Switch

OPTION SET1

- 16.Oil Pressure Gauge
- 17.Water Temperature Gauge
- 18.Battery Charging Ammeter

OPTION SET3

- 22.3-Phase AC Output Receptacle

OPTION SET4

- 19.Remote Control Receptacle
- 20.Remote Control Switch
- 21.Remote Control Box
- 23.Earth Leakage Relay
- 24.Ground Terminal (for ELR)



SPECIFICATION

SPEC./MODEL		DCW-480ESW							
Frequency	Hz	50							
DC WELDING OUTPUT	Rated output	kW CC:17.1/CV:16.4							
	Rated current	A 450							
	Rated voltage	V CC:38.0/CV:36.5							
	Single	Current Range	A CC:60~480						
		Voltage Range	V CV:14~37						
	Dual	Current Range	A CC:30~240						
		Voltage Range	V CV:14~37						
	Rated Speed	min ⁻¹	3000						
	Duty Cycle	%	60						
	AC POWER OUTPUT	Three Phase	Rated output	kVA 15					
Rated voltage			V	200	220	380	400	415	440
Rated current			A	43.3	39.4	22.8	21.7	20.9	19.7
No. of Phase			3-Phase 4wire						
Power Factor			0.8 (Lagging)						
Excitation			Brushless type (with AVR)						
No. of poles			2						
Insulation	Class F								

ENGINE	Maker/Model	KUBOTA/V1505	
	Type	Water-cooled diesel engine	
	Number of cylinders	4	
	Bore×Stroke	mm	78X78.4
	Totale displacement	L	1.498
	Rated output	kW/min ⁻¹	25.2/3000
	Battery	80D26R	
	Fuel	DIESEL FUEL ASTM NO.2 or eq.	
	Fuel tank capacity	L	45
	Lubricating oil capacity	L	6.0 (Oil pan 5.8L+Oil filter 0.2L)
	Cooling water capacity	L	4.85 (Reserve tank included)
	SET	Length	mm
Width		mm	720
Height		mm	885
Dry weight		kg	500
Total weight		kg	558

Denyo The Denyo trademark is widely recognized as a brand, and is a registered trademark in 90 countries around the world.

Direct inquiries to the nearest Denyo distributor or to Denyo Co.,Ltd.



Denyo Co.,Ltd.

Head office : 2-8-5,Nihonbashi-horidomecho,Chuo-ku,Tokyo

103-8566,Japan

Tel:+81-3-6861-0055 Fax:+81-3-6861-1188

<http://www.denyo.co.jp/english/>

